

## MTMR3 Knockout cell line (U-2932)

Catalog Number: KOA43397

### Product Information

|                            |                                                                                                                                                                          |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | MTMR3 Knockout cell line (U-2932)                                                                                                                                        |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                        |
| Storage and transportation | Shipped on dry ice; Store in liquid nitrogen                                                                                                                             |
| Cell morphology            | Human Lymphocyte-like, suspension                                                                                                                                        |
| Passage ratio              | 1 : 2-1 : 4                                                                                                                                                              |
| species                    | Human                                                                                                                                                                    |
| Gene                       | MTMR3                                                                                                                                                                    |
| Gene ID                    | 8897                                                                                                                                                                     |
| Build method               | Electroporation/Lentivirus                                                                                                                                               |
| Mycoplasma testing         | negative                                                                                                                                                                 |
| Cultivation system         | 90%RPMI-1640+10%FBS                                                                                                                                                      |
| Price (USD)                | Inquiry                                                                                                                                                                  |
| Parental Cell Line         | U-2932                                                                                                                                                                   |
| Quality Control            | Genotype: MTMR3 Knockout cell line (U-2932)>95% viability before freezing. All cells were tested and found to be free of bacterial, viruses,mycoplasma and other toxins. |

### Gene Information

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Official Full Name | myotubularin related protein 3provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Also known as           | ZFYVE10; FYVE-DSP1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Gene Description        | <p>This gene encodes a member of the myotubularin dual specificity protein phosphatase gene family. The encoded protein is structurally similar to myotubularin but in addition contains a FYVE domain and an N-terminal PH-GRAM domain. The protein can self-associate and also form heteromers with another myotubularin related protein. The protein binds to phosphoinositide lipids through the PH-GRAM domain, and can hydrolyze phosphatidylinositol(3)-phosphate and phosphatidylinositol(3,5)-biphosphate in vitro. The encoded protein has been observed to have a perinuclear, possibly membrane-bound, distribution in cells, but it has also been found free in the cytoplasm. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> |

|            |                                                                                                    |
|------------|----------------------------------------------------------------------------------------------------|
| Expression | Ubiquitous expression in bone marrow (RPKM 20.3), testis (RPKM 13.1) and 25 other tissues See more |
|------------|----------------------------------------------------------------------------------------------------|