

## TBCK Knockout cell line (HCT 116)

Catalog Number: KO22150

| Product Information        |                                                                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | TBCK Knockout cell line (HCT 116)                                                                                                                                          |
| specification              | 1*10 <sup>6</sup>                                                                                                                                                          |
| Storage and transportation | Dry ice preservation/T25 live cell transportation.                                                                                                                         |
| Cell morphology            | Epithelioid, adherent cell                                                                                                                                                 |
| Passage ratio              | 1:2~1:4                                                                                                                                                                    |
| species                    | Human                                                                                                                                                                      |
| Gene                       | TBCK                                                                                                                                                                       |
| Gene ID                    | 93627                                                                                                                                                                      |
| Build method               | Electric rotation method / virus method                                                                                                                                    |
| Mycoplasma testing         | Negative                                                                                                                                                                   |
| Cultivation system         | 90%McCOYs 5A+10% FBS                                                                                                                                                       |
| Parental Cell Line         | HCT 116                                                                                                                                                                    |
| Quality Control            | Genotype: TBCK Knockout cell line (HCT 116) >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 | TBC1 domain containing kinase provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Also known as           | Fy-1; TBCKL; FERRY1; IHPRF3; HSPC302                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Gene Description        | This gene encodes a protein that contains a protein kinase domain, a Rhodanase-like domain and the Tre-2/Bub2/Cdc16 (TBC) domain. The encoded protein is thought to play a role in actin organization, cell growth and cell proliferation by regulating the mammalian target of the rapamycin (mTOR) signaling pathway. This protein may also be involved in the transcriptional regulation of the components of the mTOR complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014] |
| Expression              | Ubiquitous expression in ovary (RPKM 5.5), thyroid (RPKM 5.1) and 25 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                     |