

## CASP10 Knockout cell line (HCT 116)

Catalog Number: KO08340

| Product Information        |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | CASP10 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                       | CASP10                                                                                                                                                                       |
| Gene ID                    | 843                                                                                                                                                                          |
| 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: CASP10 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        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
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| Gene Official Full Name | caspase 10provided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Also known as           | MCH4; ALPS2; FLICE2; FLICE-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Gene Description        | This gene encodes a protein which is a member of the cysteine-aspartic acid protease (caspase) family. Sequential activation of caspases plays a central role in the execution-phase of cell apoptosis. Caspases exist as inactive proenzymes which undergo proteolytic processing at conserved aspartic residues to produce two subunits, large and small, that dimerize to form the active enzyme. This protein cleaves and activates caspases 3 and 7, and the protein itself is processed by caspase 8. Mutations in this gene are associated with type IIA autoimmune lymphoproliferative syndrome, non-Hodgkin lymphoma and gastric cancer. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Apr 2011] |
| Expression              | Broad expression in duodenum (RPKM 6.6), spleen (RPKM 5.9) and 23 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

