

## CAMK2D Knockout cell line (HCT 116)

**Catalog Number:** KO11823

| Product Information        |                                                                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name               | CAMK2D 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                       | CAMK2D                                                                                                                                                                       |
| Gene ID                    | 817                                                                                                                                                                          |
| 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: CAMK2D 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 | calcium/calmodulin dependent protein kinase II deltaprovided by HGNC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Also known as           | CAMKD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Gene Description        | The product of this gene belongs to the serine/threonine protein kinase family and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. Calcium signaling is crucial for several aspects of plasticity at glutamatergic synapses. In mammalian cells, the enzyme is composed of four different chains: alpha, beta, gamma, and delta. The product of this gene is a delta chain. Alternative splicing results in multiple transcript variants encoding distinct isoforms. Distinct isoforms of this chain have different expression patterns.[provided by RefSeq, Nov 2008] |
| Expression              | Ubiquitous expression in heart (RPKM 23.1), brain (RPKM 14.9) and 24 other tissues See more                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |