

## TALDO1 Knockout cell line ☐ HT-29 ☐

**Catalog Number:** KO00004

Product Information	
Product Name	TALDO1 Knockout cell line ( HT-29 )
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	TALDO1
Gene ID	6888
Build method	Electric rotation method / virus method
Mycoplasma testing	Negative
Cultivation system	90%McCoy's 5A+10% FBS
Parental Cell Line	HT-29
Quality Control	Genotype: TALDO1 Knockout cell line ( HT-29 ) >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	transaldolase 1 provided by HGNC
Also known as	TAL; TALH; TAL-H; TALDOR
Gene Description	Transaldolase 1 is a key enzyme of the nonoxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This pathway can also maintain glutathione at a reduced state and thus protect sulfhydryl groups and cellular integrity from oxygen radicals. The functional gene of transaldolase 1 is located on chromosome 11 and a pseudogene is identified on chromosome 1 but there are conflicting map locations. The second and third exon of this gene were developed by insertion of a retrotransposable element. This gene is thought to be involved in multiple sclerosis. [provided by RefSeq, Jul 2008]
Expression	Ubiquitous expression in bone marrow (RPKM 165.6), esophagus (RPKM 127.9) and 25 other tissues See more