Recombinant Mouse Taldo1 Protein, Myc/DDK-tagged

Cat. No. Taldo1-6288M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length transaldolase 1 (Taldo1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	This gene encodes a key enzyme of the nonoxidative pentose phosphate pathway that provides ribose-5-phosphate for nucleic acid synthesis and nicotinamide adenine dinucleotide phosphate (NADPH) for lipid biosynthesis. The encoded protein is important for maintaining structure and function of mitochondria. Studies in knockout mice identify that deficiency of this gene product is a cause of sperm dysmotility and male infertility. Deficiency of this protein has also been identified as a cause of hepatocarcinogenesis in mice. Two related pseudogenes have been identified on chromosome 10. [provided by RefSeq, Mar 2010]
Molecular Mass	37.4 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 μg/mL as determined by microplate BCA method
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Taldo1 transaldolase 1 [Mus musculus (house mouse)]
Official Symbol	Taldo1
Synonyms	TALDO1; transaldolase 1; transaldolase
Gene ID	21351
mRNA Refseq	NM_011528
Protein Refseq	NP_035658
UniProt ID	Q93092

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