

Product datasheet for **TP505018**

Taldo1 (NM_011528) Mouse Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse transaldolase 1 (Taldo1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR205018 protein sequence Red =Cloning site Green =Tags(s) |

MSGSPVKRQRMESALDQLKQFTTWADTGDFNAIDEYKPDATTNPSLILAAAQMPAYQELVEEAIAYGK
KLGGPQEEQIKNAIDKLFVLFGAELKKIPGRVSTEVDARLSFDKAMDAMVARARRLIELYKEAGVVGKDRIL
IKLSSTWEGIQAGKELEEQHGIHCNMTLLFSFAQAVACAEAGVTLISPFVGRILDWHVANTDKKSYEPQE
DPGVKSVTKIYNYKKFGYKTIVMGASFRNTGEIKALAGCDFLTISP KLLGELLKDNSKLAPALSVKAAQ
TSDSEKIHLDEKAFRWLHNEDQMAVEKLSDGIRKFAADAIAIKLERMLTERMFS AEN GK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 37.4 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C after receiving vials. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_035658 |
| Locus ID: | 21351 |
| UniProt ID: | Q93092 |



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RefSeq Size: 1276

Cytogenetics: 7 F5

RefSeq ORF: 1014

Summary: 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]