

Product datasheet for **TP726921**

Transaldolase 1 (TALDO1) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant Human Transaldolase/TALDO1 (C-6His)
Species:	Human
Expression cDNA Clone or AA Sequence:	Met1-Lys337
Tag:	C-His
Buffer:	Supplied as a 0.2 um filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 8.0.
Note:	Recombinant Human Transaldolase is produced by our Mammalian expression system and the target gene encoding Met1-Lys337 is expressed with a 6His tag at the C-terminus.
Storage:	Store at < -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.
Stability:	12 months from date of despatch
Locus ID:	6888
UniProt ID:	P37837
Synonyms:	Transaldolase; TALDO1; TAL; TALDO; TALDOR
Summary:	Transaldolase (TALDO1) belongs to the transaldolase family of Type 1 subfamily. TALDO1 is expressed selectively in oligodendrocytes of the brain. TALDO1 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. TALDO1 deficiency results in telangiectases of the skin, hepatosplenomegaly and enlarged clitoris.
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Pentose phosphate pathway



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