

## 32-2836: TALDO1 Recombinant Protein

**Alternative Name :** TAL,TAL-H,TALDOR,TALH,TALDO1.

### Description

Source : Escherichia Coli. TALDO1 Human Recombinant protein produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 357 amino acids (1-337) and having a molecular mass of 39.7 kDa. TALDO1 is fused to 20 amino acid His Tag at N-terminus and is purified by proprietary chromatographic techniques. TALDO1 is a important enzyme of the non-oxidative pentose phosphate pathway supplying ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. TALDO1 delivers a dihydroxyacetone group from donor compounds (fructose 6-phosphate or sedoheptulose 7-phosphate) to aldehyde acceptor compounds. TALDO1 is expressed at selectively great levels in oligodendrocytes of the brain. TALDO1 Deficiency results in accumulation of erythritol, D-arabitol, and ribitol.

### Product Info

<b>Amount :</b>	25 µg
<b>Purification :</b>	Greater than 90.0% as determined by SDS-PAGE.
<b>Content :</b>	TALDO1 1mg/ml protein solution contains 20 mM Tris-HCl buffer (pH 8.0) and 10% glycerol.
<b>Storage condition :</b>	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MSSSPVKRQR MESALDQLKQ FTTVVADTGD FHAIDEYKPQ DATTNPSLIL AAAQMPAYQE LVEEAIAYGR KLGGSQEDQI KNAIDKLFVL FGAEILKKIP RVSTEV DAR LSFDKDAMVA RARRLIELYK EAGISKDRIL IKSSTWEGI QAGKELEEQH GIHCNMTLLF SFAQAVACAE AGVTLISPFV GRILDWHVAN TDKKSYEPLE DPGVKSVTKI YNYYKKFSYK TIVMGASFRN TGEIKALAGC DFLTISPKLL GELLQDNAKL VPVLSAKAAQ ASDLEKIHL D EKSFRWLHNE DQMAVEKLSD GIRKFAADAV KLERMLTERM FNAENGK.

