

TALDO1 recombinant protein

TALDO1, 1-337aa, Human, His tag, E Coli

CATALOG # AAA48619	HOST E Coli	APPLICATIONS SDS-Page
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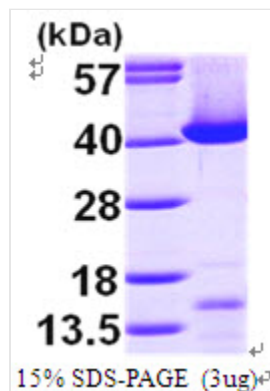
PRODUCT SYNONYMS

TALDO1; 1-337aa; Human; His tag; E Coli; Transaldolase 1; TAL; TAL-H; TALDOR; TALH; TALDO1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid. In 20 mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHH SSGLVPRGSH MSSSPVKRQR MESALDQLKQ FTTVVADTGD FHAIDEYKPQ DATTNPSLIL AAAQMPAYQE LVEEAIAYGR KLGGSQEDQI KNAIDKLFVL FGAEILKKIP GRVSTEVDAR LSFDKDAMVA RARRLIELYK EAGISKDRIL IKLSSTWEGI QAGKELEEQH GIHCNMTLLF SFAQAVACAE AGVTLISPFV GRILDWHVAN TDKKSYEPLE DPGVKSVTKI YNYYKKFSYK TIVMGASFRN TGEIKALAGC DFLTISPKLL GELLQDNAKL VPVLSAKAAQ ASDLEKIHLD EKSFRWLHNE DQMAVEKLSG GIRKFAADAV KLERMLTERM FNAENGK
Sequence Length	337
Applicable Applications for TALDO1 recombinant protein	SDS-PAGE
Preparation and Storage	Can be stored at 4 degree C short term (1-2 weeks). For long term storage, aliquot and store at -20 degree C or -70 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for TALDO1 recombinant protein	TALDO1 is a key enzyme of the non-oxidative pentose phosphate pathway providing ribose-5-phosphate for nucleic acid synthesis and NADPH for lipid biosynthesis. This protein transfers a dihydroxyacetone group from donor compounds (fructose 6-phosphate or sedoheptulose 7-phosphate) to aldehyde acceptor compounds. It is expressed at selectively high levels in oligodendrocytes of the brain. Deficiency of TALDO1 causes accumulation of erythritol, D-arabitol, and ribitol. Recombinant human TALDO1, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography.
Product Categories/Family for TALDO1 recombinant protein	Cancer
References	Sprenger GA., et al. (2009) Int J Biochem Cell Biol. 41 (7):1482-94.; Saudubray JM., et al (2006) J Pediatr. 149 (5):713-7.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	5803187
NCBI GeneID	6888
NCBI Accession #	NP_006746
NCBI GenBank Nucleotide #	NM_006755.1
UniProt Accession #	P37837; O00751; Q8WV32; Q8WZ45; B2R8M2
Molecular Weight	39.7 kDa (357aa), confirmed by MALDI-TOF
NCBI Official Full Name	transaldolase
NCBI Official Synonym Full Names	transaldolase 1
NCBI Official Symbol	TALDO1
NCBI Official Synonym Symbols	TAL; TALH; TAL-H; TALDOR
NCBI Protein Information	transaldolase
UniProt Protein Name	Transaldolase
UniProt Gene Name	TALDO1
UniProt Synonym Gene Names	TAL; TALDO; TALDOR

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.