Datasheet for ABIN7319102

TALDO1 Protein (His tag)

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Overview

Quantity:	50 µg
Target:	TALDO1
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TALDO1 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Transaldolase/TALDO1 Protein (His Tag)
Sequence:	Met 1-Lys337
Characteristics:	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.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	TALDO1
Alternative Name:	Transaldolase/TALDO1 (TALDO1 Products)
Background:	Background: 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

Target Details

	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. Synonym: Transaldolase, TALDO1, TAL, TALDO, TALDOR
Molecular Weight:	38.5 kDa
UniProt:	P37837

Application Details

Restrictions:	For Research Use only

Handling

Format:	Frozen, Liquid
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl, 10 % Glycerol, pH 8.0.
Storage:	-20 °C
Storage Comment:	Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.