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Datasheet for ABIN7544161

TALDO1 Protein (AA 1-337) (His tag)

Overview

Quantity:	1 mg
Target:	TALDO1
Protein Characteristics:	AA 1-337
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TALDO1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat TALDO1 Protein expressed in mammalien cells.
Sequence:	MSSSPVKRQR MESALDQLKQ FTTVVADTGD FHAIDEYKPQ DATTNPSLIL AAAQMPAYQE LVEEAIAYGR KLGGSQEDQI KNAIDKLFVL FGAEILKKIP GRVSTEV DAR LSFDKDAMVA RARRLIELYK EAGISKDRIL IKLSSTWEGI QAGKELEEQH GIHCNMTLLF SFAQAVACAE AGVTLISPFV GRILDWHVAN TDKKSYEPL DPGVKSVTKI YNYYKKFSYK TIVMGASFRN TGEIKALAGC DFLTISPKLL GELLQDNAKL VPVLSAKAAQ ASDLEKIHL D EKSFRWLHNE DQMAVEKLS D GIRKFAADAV KLERMLTERM FNAEN GK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	TALDO1
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Alternative Name:	TALDO1 (TALDO1 Products)
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Background:	Transaldolase (EC 2.2.1.2),FUNCTION: Catalyzes the rate-limiting step of the non-oxidative phase in the pentose phosphate pathway. Catalyzes the reversible conversion of sedheptulose-7-phosphate and D-glyceraldehyde 3-phosphate into erythrose-4-phosphate and beta-D-fructose 6-phosphate (PubMed:8955144, PubMed:18687684). Not only acts as a pentose phosphate pathway enzyme, but also affects other metabolite pathways by altering its subcellular localization between the nucleus and the cytoplasm (By similarity). {ECO:0000250 UniProtKB:Q93092, ECO:0000269 PubMed:18687684, ECO:0000269 PubMed:8955144}.
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Molecular Weight:	37.5 kDa
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UniProt:	P37837
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Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies
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Application Details

as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months