

Datasheet for ABIN7544473
TKTL2 Protein (AA 1-626) (His tag)



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Overview

Quantity:	1 mg
Target:	TKTL2
Protein Characteristics:	AA 1-626
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TKTL2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant TKTL2 Protein expressed in mammalian cells.
Sequence:	MMANDAKPDV KTVQVLRDTA NRLRIHSIRA TCASGSGQLT SCCSAAEVVS VLFFHTMKYK QTDPEHPDND RFILSRGHAA PILYAAWVEV GDISES DLLN LRKLHSDLER HPTPRLPFVD VATGSLGQGL GTACGMAYTG KYLDKASYRV FCLMGDGESE EGSVWEAF AF ASHYNLDNLV AVFDVNRLGQ SGPAPLEHGA DIYQNCCEAF GWNTYLVDGH DVEALCQAFW QASQVKNKPT AIVAKTFKGR GIPNIEDAEN WHGKPVPKER ADAIVKLIES QIQTNENLIP KSPVEDSPQI SITDIKMTSP PAYKVGDKIA TQKTYGLALA KLGRANERVI VLSGDTMNST FSEIFRKEHP ERFIECIIAE QNMVSVALGC ATRGRTIAFA GAFAAFFTRA FDQLRMGAIS QANINLIGSH CGVSTGEDGV SQMALEDLAM FRSIPNCTVF YPSDAISTEH AIYLAANTKG MCFIRTSQPE TAVIYTPQEN FEIGQAKVVR HGVNDKVTVI GAGVTLHEAL EAADHLSQQG ISVRVIDPFT IKPLDAATII SSAKATGGRV ITVEDHYREG GIGEAVCAAV SREPDILVHQ LAVSGVPQRG KTSSELLDMFG ISTRHIIAAV TLTLMK Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein

Product Details

could make another tag necessary. In case you have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: TKTL2

Alternative Name: TKTL2 ([TKTL2 Products](#))

Background: Transketolase-like protein 2 (EC 2.2.1.1),FUNCTION: Plays an essential role in total transketolase activity and cell proliferation in cancer cells, after transfection with anti-TKTL1 siRNA, total transketolase activity dramatically decreases and proliferation was significantly inhibited in cancer cells. Plays a pivotal role in carcinogenesis.
{ECO:0000269|PubMed:17321041}.

Molecular Weight: 67.9 kDa

UniProt: [Q9H0I9](#)

Application Details

Application Notes: We expect the protein to work for functional studies. 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
