

Datasheet for ABIN7559796
DAK Protein (AA 1-578) (His tag)



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Overview

Quantity:	1 mg
Target:	DAK
Protein Characteristics:	AA 1-578
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DAK protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Tkfc Protein expressed in mammalian cells.
Sequence:	MSSKKMVNSV EGCADDALAG LVASNPDLQL LQGHRVALRS DLDTLKGRVA LLSGGGSGHE PAHAGFIGKG MLTGVIAGSV FASPPVGSIL AAIRAVAQAG TVGTLIVKN YTGDRNLNFG AMEQAKAEGI SVEMVIVEDD SAFTVLKAG RRGLCGTVLI HKVAGALAE GMGLEEITKR VSVIAKTMGT LGVSLSSCSV PGATHTFELA ADEIELGLGI HGEAGVRRIK IAPVDQIVTL MLDHMTNTSN IFHVPVRSGS SVVLIVNNLG GLSFLELGII ADAAIRLLEG RGVKVARALV GTFMSALEMP GVSLTLMLVD EPVLKLIDAE TTAKAWPHMA KSVTGRKRI RAAPTEPPEA PEATAAGGVT SKQMALVLDR ICTTLIGLEE HLNALDRAAG DGDCGSTHSR AAKAIQGWLK EGPSLTSPAQ VLSRLSVLLL ERMGGSSGAL YGLFLTAAQ PLKAKTDLPT WSAAMDAGLE SMQKYGKAAP GDRTMLDSLW AAAQEFQAWK SPGASLLPVL TKAVKSAEAA AEATKNMEAG AGRASYISSA QLDQPDPGAV AAAAIFRAIL EVLQTQGA 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

Product Details

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: DAK

Alternative Name: Tkfc ([DAK Products](#))

Background: Triokinase/FMN cyclase (Bifunctional ATP-dependent dihydroxyacetone kinase/FAD-AMP lyase (cyclizing)) [Includes: ATP-dependent dihydroxyacetone kinase (DHA kinase) (EC 2.7.1.28) (EC 2.7.1.29) (Glycerone kinase) (Triokinase) (Triose kinase), FAD-AMP lyase (cyclizing) (EC 4.6.1.15) (FAD-AMP lyase (cyclic FMN forming)) (FMN cyclase)],FUNCTION: Catalyzes both the phosphorylation of dihydroxyacetone and of glyceraldehyde, and the splitting of ribonucleoside diphosphate-X compounds among which FAD is the best substrate. Represses IFIH1-mediated cellular antiviral response. {ECO:0000250|UniProtKB:F1RKQ4, ECO:0000250|UniProtKB:Q3LXA3, ECO:0000250|UniProtKB:Q4KLZ6}.

Molecular Weight: 59.7 kDa

Target Details

UniProt: [Q8VC30](#)

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