Datasheet for ABIN7547189

ATPBD4 Protein (AA 1-267) (His tag)

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Overview

Quantity:	1 mg
Target:	ATPBD4
Protein Characteristics:	AA 1-267
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATPBD4 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat DPH6 Protein expressed in mammalien cells.
Sequence:	MRVAALISGG KDSCYNMMQC IAAGHQIVAL ANLRPAENQV GSDELDSYMY QTVGHHAIDL YAEAMALPLY RRTIRGRSLD TRQVYTKCEG DEVEDLYELL KLVKEKEEVE GISVGAILSD YQRIRVENVC KRLNLQPLAY LWQRNQEDLL REMISSNIQA MIIKVAALGL DPDKHLGKTL DQMEPYLIEL SKKYGVHVCG EGGEYETFTL DCPLFKKKII VDSSEVVIHS ADAFAPVAYL RFLELHLEDK VSSVPDNYRT SNYIYNF **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: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and

Product Details

	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
Grade:	custom-made

Target Details

Target:	ATPBD4
Alternative Name:	DPH6 (ATPBD4 Products)
Background:	Diphthine--ammonia ligase (EC 6.3.1.14) (ATP-binding domain-containing protein 4) (Diphthamide synthase) (Diphthamide synthetase) (Protein DPH6 homolog),FUNCTION: Amidase that may catalyze the last step of diphthamide biosynthesis using ammonium and ATP (PubMed:23169644). Diphthamide biosynthesis consists in the conversion of an L-histidine residue in the translation elongation factor (EEF2) to diphthamide (By similarity). {ECO:0000250|UniProtKB:Q12429, ECO:0000269|PubMed:23169644}.
Molecular Weight:	30.3 kDa
UniProt:	Q7L8W6

Application Details

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