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Datasheet for ABIN7560676

DPH5 Protein (AA 1-281) (His tag)

Overview

Quantity:	1 mg
Target:	DPH5
Protein Characteristics:	AA 1-281
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This DPH5 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Dph5 Protein expressed in mammalian cells.
Sequence:	MLYLIGLGLG DAKDITVKGL EVVRRCSR VY LEAYTSVLT V GKEALEEFY G RKLILADREE VEQ EADNIFK DADVSDVAFL VVGDPFGATT HSDLILRATK LGIPYQVIHN ASIMNAVGCC GLQLYRFGET VSIVFWTDTW RPESFFDKVK RNRANGMHTL CLLDIKVKEQ SLENLIRGRK IYEPPRYMSV NQAAQQLLEI VQNHRARGE E PAITEETLCV GLARVGAEDQ KIAAGTLQQM CTVSLGEPLH SLVITGGNLH PLEM EMLSLF SIPESQSTDG L 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.
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:

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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	DPH5
Alternative Name:	Dph5 (DPH5 Products)
Background:	Diphthine methyl ester synthase (EC 2.1.1.314) (Diphthamide biosynthesis methyltransferase),FUNCTION: S-adenosyl-L-methionine-dependent methyltransferase that catalyzes four methylations of the modified target histidine residue in translation elongation factor 2 (EF-2), to form an intermediate called diphthine methyl ester. The four successive methylation reactions represent the second step of diphthamide biosynthesis. {ECO:0000250 UniProtKB:P32469, ECO:0000269 PubMed:15485916}.
Molecular Weight:	31.2 kDa
UniProt:	Q9CWQ0
Pathways:	SARS-CoV-2 Protein Interactome

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.
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Application Details

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