

Datasheet for ABIN7547158

Diphthamide Biosynthesis 7 (DPH7) (AA 1-452) protein (His tag)



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Overview

Quantity:	1 mg
Target:	Diphthamide Biosynthesis 7 (DPH7)
Protein Characteristics:	AA 1-452
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

Product Details

Purpose:	Custom-made recombinant DPH7 Protein expressed in mammalian cells.
Sequence:	<p>MMGCFALQTV DTELTADSVE WCPLQGCRHL LACGTYQLRR PEDRPAGPQN KGGMEVKEPQ VRLGRLFLYS FNDNNSIHPL VEVQRKDTSA ILDMKWCHIP VAGHALLGLA DASGSIQLLR LVESEKSHVL EPLSSLALEE QCLALSLDWS TGKTGRAGDQ PLKIISSDST GQLHLLMVNE TRPRLQKVAS WQAHQFEAWI AAFNYWHPEI VYSGGDDGLL RGWDTRVPGK FLFTSKRHTM GVCSIQSSPH REHILATGSY DEHILLWDTR NMKQPLADTP VQGGVWRIKW HPFHHLHLLA ACMHSGFKIL NCQKAMEERQ EATVLTSHTL PDSLVYGADW SWLLFRSLQR APSWSFPSNL GTKTADLKGA SELPTPCHEC REDNDGEGHA RPQSGMKPLT EGMRKNGTWL QATAATTRDC GVNPEEADSA FSLLATCSFY DHALHLWEWE GN 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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

Diphthamide Biosynthesis 7 (DPH7)

Alternative Name:

DPH7 ([DPH7 Products](#))

Background:

Diphthine methyltransferase (EC 3.1.1.97) (Diphthamide biosynthesis protein 7) (WD repeat-containing protein 85),FUNCTION: Catalyzes the demethylation of diphthine methyl ester to form diphthine, an intermediate diphthamide biosynthesis, a post-translational modification of histidine which occurs in translation elongation factor 2 (EEF2) which can be ADP-ribosylated by diphtheria toxin and by Pseudomonas exotoxin A (Eta). {ECO:0000250|UniProtKB:P38332, ECO:0000269|PubMed:19965467, ECO:0000269|PubMed:23486472}.

Molecular Weight:

50.6 kDa

UniProt:

[Q9BTV6](#)

Application Details

Application Notes:

We expect the protein to work for functional studies. As the protein has not been tested for

Application Details

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
