

Datasheet for ABIN7560760

## Diphthamide Biosynthesis 7 (DPH7) (AA 1-477) protein (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	Diphthamide Biosynthesis 7 (DPH7)
Protein Characteristics:	AA 1-477
Origin:	Mouse
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>MAGSHAGTLR VLQAVDELTA ADSVEWCPVE GYQHLLACGT YQLRAPRDQP ALDGSEPPQVR LGRLYLFSFS EHNTAKPLLE VQRRDSSAVL DMKWCHIPVS GHVLLGLANA SGSIGLLRLM ECENNSYTLQ PISSLALDEN CLSLSMDWST GKSVRAREQP LKISSDSKG QLHLLMVNEG TAEQLVASW PAHHFEAWIA AFNYWQTELV YSGGDDCLLR GWDTRMLGTP VFTSKRHCMG VCSIQSSPHQ EHILATGSYD EHVLLWDTRN IRQLADVPV QGGVWRLKWH PVHHHLLAA CMHNGFKILN CQKAIEEKQD ITVLTSHEMP NSLVYGADWS WLFHSMKPTP TWFFDQNDMG VKAADHSSLK VTEEPPIHSQ EQTMDRQVEG PANAHTRAEL KASLLPLTED MKNSKDCSSS SVKTRDLSHC SGGQSFDNSL LATCSFYDHV LHLWKWETNQ ARTLCSGTGC DLGSADH</p> <p><b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

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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

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### Target:

Diphthamide Biosynthesis 7 (DPH7)

### Alternative Name:

Dph7 ([DPH7 Products](#))

### Background:

Diphthine methyltransferase (EC 3.1.1.97) (Diphthamide biosynthesis protein 7) (DPH7) (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).  
{ECO:0000250|UniProtKB:Q9BTV6}.

### Molecular Weight:

53.2 kDa

### UniProt:

[Q9CYU6](#)

## Application Details

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### 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.

## Application Details

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Restrictions: For Research Use only

## Handling

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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