

Datasheet for ABIN7551973
APEH Protein (AA 1-732) (His tag)



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Overview

Quantity:	1 mg
Target:	APEH
Protein Characteristics:	AA 1-732
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This APEH protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat APEH Protein expressed in mammalian cells.
Sequence:	MERQVLLSEP EEAAALYRGL SRQPALSAAC LGPEVTTQYG GQYRTVHTEW TQRDLERMEN IRFCRQYLVF HDGDSVVFAG PAGNSVETRG ELLSRESPSG TMKAVLRKAG GTGPGEEKQF LEVWEKNRKL KSFNLSALEK HGPVYEDDCF GCLSWSHSET HLLYVAEKKR PKAESFFQTK ALDVSASDDE IARLKKPDQA IKGDQFVFYE DWGENMVSKS IPVLCVLDVE SGNISVLEGV PENVSPGQAF WAPGDAGVVF VGWWHEPFRL GIRFCTNRRS ALYYVDLIGG KCELLSDDSL AVSSPRLSPD QCRIVYLQYP SLIPHHQCSQ LCLYDWYTKV TSVVVDVWPR QLGENFSGIY CSLLPLGCWS ADSQRVVFDS AQRSRQLFA VDTQVGTVTS LTAGGSGGSW KLLTIDQDLM VAQFSTPSLP PTLKVGFLPS AGKEQSVLWV SLEEAETIPD IHWGIRVLQP PPEQENVQYA GLDFEAILLQ PGSPDKTQV PMVVMPHGGP HSSFVTAWML FPAMLCKMGF AVLLVNYRGS TGFGQDSILS LPGNVGHQDV KDVQFAVEQV LQEEHFDASH VALMGGSHGG FISCHLIGQY PETYRACVAR NPVINIASML GSTDIPDWCV VEAGFPFSSD CLPDLVWAE MLDKSPIRYI

Product Details

PQVKTPLLLM LGQEDRRVPF KQGMEYYRAL KTRNVPVRL LYPKSTHALS EVEVESDSFM
NAVLWLRTHL GS **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 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, Western Blot

Grade:

custom-made

Target Details

Target:

APEH

Alternative Name:

APEH ([APEH Products](#))

Background:

Acylamino-acid-releasing enzyme (AARE) (EC 3.4.19.1) (Acyl-peptide hydrolase) (APH) (Acylaminoacyl-peptidase) (Oxidized protein hydrolase) (OPH),FUNCTION: This enzyme catalyzes the hydrolysis of the N-terminal peptide bond of an N-acetylated peptide to generate an N-acetylated amino acid and a peptide with a free N-terminus (PubMed:10719179, PubMed:2006156, PubMed:1740429). It preferentially cleaves off Ac-Ala, Ac-Met and Ac-Ser (By similarity). Also, involved in the degradation of oxidized and glycosylated proteins (PubMed:10719179). {ECO:0000250|UniProtKB:P13676, ECO:0000269|PubMed:10719179, ECO:0000269|PubMed:1740429, ECO:0000269|PubMed:2006156}.

Molecular Weight:

81.2 kDa

Target Details

UniProt: [P13798](#)

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