

Datasheet for ABIN7552418

Aspartate beta Hydroxylase Protein (AA 1-758) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	Aspartate beta Hydroxylase (ASPH)
Protein Characteristics:	AA 1-758
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Aspartate beta Hydroxylase protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat ASPH Protein expressed in mammalian cells.
Sequence:	MAQRKNAKSS GNSSSSGSGS GSTSAGSSSP GARRETKHGG HKNRKGGLS GTSFFTWMV IALLGWTSV AVVWFDLVDY EEVLGKGLIY DADGDGDFDV DDAKVLLGLK ERSTSEPAVP PEEAEPHTEP EEQVPVEAEP QNIEDEAKEQ IQSLLHEMVH AEHVEGEDLQ QEDGPTGEPQ QEDDEFLMAT DVDDRFETLE PEVSHEETEH SYHVEETVSQ DCNQDMEEMM SEQENPDSSE PVVEDERLHH DTDDVTYQVY EEQAVYEPL ENEGIEITEVT APPEDNPVED SQVIVEEVS I FPVEEQQEV PETNRKTDDP EQKAKVKKKK PKLLNKFDKT IKAELDAAEK LRKRKIEEA VNAFKELVRK YPQSPRARYG KAQCEDDLAE KRRSNEVLRG AIETYQEVAS LPDVPADLLK LSLKRRSDRQ QFLGHMRGSL LTLQRLVQLF PNDSLKNL DVGYLLIGDN DNAKKVYEEV LSVTPNDGFA KVHYGFILKA QNKIAESIPY LKEGIESGDP GTDDGRFYFH LGDAMQRVGN KEAYKWYELG HKRGHFASVW QRSLYNVNL KAQPWWTPKE TGYTELVKSL ERNWKLIRDE GLAVMDKAKG LFLPEDENLR EKGDWSQFTL WQQGRRNENA CKGAPKTCTL LEKFPETTGC

Product Details

RRGQIKYSIM HPGTHVWPHT GPTNCRLRMH LGLVIPKEGC KIRCANETKT WEEGKVLIFD
DSFEHEVWQD ASSFRLIFIV DVWHPELTPQ QRRSLPAI **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:

Aspartate beta Hydroxylase (ASPH)

Alternative Name:

ASPH ([ASPH Products](#))

Background:

Aspartyl/asparaginyl beta-hydroxylase (EC 1.14.11.16) (Aspartate beta-hydroxylase) (ASP beta-hydroxylase) (Peptide-aspartate beta-dioxygenase),FUNCTION: [Isoform 1]: Specifically hydroxylates an Asp or Asn residue in certain epidermal growth factor-like (EGF) domains of a number of proteins. {ECO:0000269|PubMed:11773073},. FUNCTION: [Isoform 8]: Membrane-bound Ca(2+)-sensing protein, which is a structural component of the ER-plasma membrane junctions. Isoform 8 regulates the activity of Ca(+2) released-activated Ca(+2) (CRAC) channels in T-cells. {ECO:0000269|PubMed:22586105}.

Molecular Weight:

85.9 kDa

Target Details

UniProt: [Q12797](#)

Pathways: [Positive Regulation of Endopeptidase Activity](#)

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
