

Datasheet for ABIN7548298
HHAT Protein (AA 1-493) (His tag)



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Overview

Quantity:	1 mg
Target:	HHAT
Protein Characteristics:	AA 1-493
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This HHAT protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat HHAT Protein expressed in mammalien cells.
Sequence:	MLPRWELALY LLASLGHFHY SFYEVYKVS R EHEEELDQEF ELETDTLFGG LKKDATDFEW SFWMEWGKQW LVWLLGHMV VSQMATLLAR KHRPWILMLY GMWACWCVLG TPGVAMVLLH TTISFCVAQF RSQLLTWLCS LLLLSTLRLQ GVEEVKRRWY KTENEYLLQ FTLTVRCLYY TSFSLELCWQ QLPAASTSYS FPWMLAYVFY YPVLHNGPIL SFSEFIKQMQ QQEHDSLKAS LCVLALGLGR LLCWWWLAEL MAHLMYMHAI YSSIPLLETV SCWTLGGLAL AQVLFFYVKY LVLFVGPALL MRLDGLTPPA LPRCVSTMFS FTGMWRYFDV GLHNFLIRYV YIPVGGSQHG LLGTLFSTAM TFAFVSYWHG GYDYLWCWAA LNWLGVTVEN GVRRLVETPC IQDSLARYFS PQARRRFHAA LASCSTSM LI LSNLVFLGGN EVGKTYWNRI FIQGWPWVTL SVLGLFLYCYS HVGIAWAQTY ATD 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.

Product Details

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:

HHAT

Alternative Name:

HHAT ([HHAT Products](#))

Background:

Protein-cysteine N-palmitoyltransferase HHAT (EC 2.3.1.-) (Hedgehog acyltransferase) (Melanoma antigen recognized by T-cells 2) (MART-2) (Skinny hedgehog protein 1),FUNCTION: Palmitoyl acyltransferase that catalyzes N-terminal palmitoylation of SHH, which is required for SHH signaling (PubMed:18534984, PubMed:31875564, PubMed:24784881). It also catalyzes N-terminal palmitoylation of DHH (PubMed:24784881). Promotes the transfer of palmitoyl-CoA from the cytoplasmic to the luminal side of the endoplasmic reticulum membrane, where SHH palmitoylation occurs (PubMed:31875564). It is an essential factor for proper embryonic development and testicular organogenesis (PubMed:24784881).
{ECO:0000269|PubMed:11486055, ECO:0000269|PubMed:18534984, ECO:0000269|PubMed:24784881, ECO:0000269|PubMed:31875564}.

Molecular Weight:

57.3 kDa

UniProt:

[Q5VTY9](#)

Target Details

Pathways: [Hedgehog Signaling](#)

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