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Datasheet for ABIN7548080

GNPAT Protein (AA 1-680) (His tag)

Overview

Quantity:	1 mg
Target:	GNPAT
Protein Characteristics:	AA 1-680
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GNPAT protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GNPAT Protein expressed in mammalien cells.
Sequence:	MESSSSSNSY FSVGPTSPSA VLLYSKELK KWDEFEDILE ERRHVSDLKF AMKCYTPLVY KGITPCKPID IKCSVLNSEE IHYVIKQLSK ESLQSVDVLR EEVSEILDEM SHKLRLGAIR FCAFTLSKVF KQIFSKVCVN EEGIQLQRA IQEHPVVLLP SHRSYIDFLM LSFLLYNYDL PVPVIAAGMD FLGMKMGVDEL LRMSGAFFMR RTFGGNKLYW AVFSEYVKTM LRNGYAPVEF FLEGTRSRSA KTLTPKFGLL NIVMEPFKFR EVFDTYLVPI SISYDKILEE TLYVYELG PKPKESTTGL LKARKILSEN FGSIHVYFGD PVSLRSLAAG RMSRSSYNLV PRYIPQKQSE DMHAFVTEVA YKMELLQIEN MVLSPWTLIV AVLLQNRPSM DFDALVEKTL WLKGLTQAFG GFLIWPDKP AEEVVPASIL LHSNIASLVK DQVILKVDSDG DSEVVDGLML QHITLLMCSA YRNQLLNIFV RPSLVAVALQ MTPGFRKEDV YSCFRFLRDV FADEFIFLPG NTLKDFEEGC YLLCKSEAIQ VTTKDILVTE KGNTVLEFLV GLFKPFVESY QIICKYLLSE EEDHFSEEQY LAAVRKFTSQ LLDQGTSQCY DVLSSDVQKN ALAACVRLGV VEKKKINNNC IFNVNEPATT

Product Details

KLEEMLGCKT PIGKPATAKL **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:

GNPAT

Alternative Name:

GNPAT ([GNPAT Products](#))

Background:

Dihydroxyacetone phosphate acyltransferase (DAP-AT) (DAPAT) (DHAP-AT) (EC 2.3.1.42) (Acyl-CoA:dihydroxyacetonephosphateacyltransferase) (Glycerone-phosphate O-acyltransferase),FUNCTION: Dihydroxyacetonephosphate acyltransferase catalyzing the first step in the biosynthesis of plasmalogens, a subset of phospholipids that differ from other glycerolipids by having an alkyl chain attached through a vinyl ether linkage at the sn-1 position of the glycerol backbone, and which unique physical properties have an impact on various aspects of cell signaling and membrane biology. {ECO:0000269|PubMed:11152660, ECO:0000269|PubMed:15687349}.

Molecular Weight:

77.2 kDa

Target Details

UniProt: [O15228](#)

Pathways: [Cell-Cell Junction Organization](#)

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