

Datasheet for ABIN7557805
GDPD5 Protein (AA 1-607) (His tag)



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Overview

Quantity:	1 mg
Target:	GDPD5
Protein Characteristics:	AA 1-607
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GDPD5 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Gdpd5 Protein expressed in mammalian cells.
Sequence:	<p>MVRHQPLQYY EPQLCLSCLT GIYGCRCWKRY QRSHDDTTPW ERLWFLLLVC TFSLTLTWLY</p> <p>FWWGVHNDYD EFNWYLYNRM GYWSWDSVPI LVTSAAFY IAGLLVLALC HIAVGQQLNL</p> <p>HWHKMGVLV IASTVVAMS AVAQLWEDEW EVLLISLQGT APFLHIGALV AITALSWIVA</p> <p>GQFARAERSS SQLTILCTFF AVVFTFYLP LTISPCIME KKDGLGPKPAL IGHGAPMLA</p> <p>PEHTVMSFRK ALEQRLYGLQ ADITISLDGV PFLMHDTTLR RTTNVEHLFP ELARRPAAML</p> <p>NWTVLQRLNA GQWFLKTDPF WTASSLSPSD HREVQNSIC SLAELLELAK GNASLLNLNR</p> <p>DPPRDHPYRG SFLNVTLEAV LRSGFPQHQQ MWLFNRQRPL VRKMAPGFQQ TSGSKEAIAN</p> <p>LRKGHIQKLN LRYTQVSHQE LRDYASWNLS VNLYTVNAPW LFSLLWCAGV PSVTSDNSHT</p> <p>LSRVPSPLWI MPPDEYCLMW VTADLISFSL IIGIFVLQKW RLGGIRSYNP EQIMLSAAVR</p> <p>RTSRDVSIMK EKLIFSEISD GVEVSELSV CSDSSYDTYA NANSTATPVG PRNAGSRAKT</p> <p>VTEQSGH Sequence without tag. The proposed Purification-Tag is based on experiences</p>

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:

GDPD5

Alternative Name:

Gdpd5 ([GDPD5 Products](#))

Background:

Glycerophosphodiester phosphodiesterase domain-containing protein 5 (Glycerophosphocholine phosphodiesterase GDPD5) (EC 3.1.4.2) (Glycerophosphodiester phosphodiesterase 2) (Phosphoinositide phospholipase C GDPD5) (EC 3.1.4.11), FUNCTION: Glycerophosphodiester phosphodiesterase that promotes neurite formation and drives spinal motor neuron differentiation (PubMed:17275818, PubMed:18667693). Mediates the cleavage of glycosylphosphatidylinositol (GPI) anchor of target proteins: removes the GPI-anchor of RECK, leading to release RECK from the plasma membrane (By similarity). May contribute to the osmotic regulation of cellular glycerophosphocholine (PubMed:18667693). {ECO:0000250|UniProtKB:Q3KTM2, ECO:0000269|PubMed:17275818, ECO:0000269|PubMed:18667693}.

Molecular Weight:

68.9 kDa

Target Details

UniProt: [Q640M6](#)

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