

Datasheet for ABIN7559038

NIPAL4 Protein (AA 1-406) (His tag)



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Overview

Quantity:	1 mg
Target:	NIPAL4
Protein Characteristics:	AA 1-406
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NIPAL4 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Nipal4 Protein expressed in mammalian cells.
Sequence:	<p>MELRVANANG SCENGSI VSL YCSSQEVLCQ IVRGISPEEP YNATLITWQE RVRKKYGFYI</p> <p>GVGLAFLSCF LIGTSVILKK KGLIRLVATG ATRAVNGGYG YLKDPMWWAG MATMSAGEVA</p> <p>NFGAYAFAPA TVVTPLGALS VLISAIFSSY CLGESL NLLG KLGCVICMAG STVMVIHAPK</p> <p>EEKVTTVAEM ASKMKDTGFI VFAVLLV VSC LILIFIVAPR YGQRNILIYI IICSVIGSFS VTAVKGLGVT</p> <p>IRNFFQGLPV VRHPLPYILS LILGLSIIIQ VNFLNRALDI FNTSLVFPIY YVFFTTVVVA SSIVLFKEWY</p> <p>TMSAVDIVGT LSGFVTIILG VFMLHAFKDL DINQISLPHT HKNPTPAPAP EPTVIKLEDK</p> <p>NVLVDNIELA STPSPQQKPK VFMTDS</p> <p>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.</p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	NIPAL4
Alternative Name:	Nipal4 (NIPAL4 Products)
Background:	Magnesium transporter NIPA4 (Ichthyin) (NIPA-like protein 4) (Non-imprinted in Prader-Willi/Angelman syndrome region protein 4 homolog),FUNCTION: Acts as a Mg(2+) transporter. Can also transport other divalent cations such as Ba(2+), Sr(2+) and Fe(2+) but to a much less extent than Mg(2+) (PubMed:18667602). May be a receptor for ligands (trioxilins A3 and B3) from the hepoxilin pathway (By similarity). {ECO:0000250 UniProtKB:Q0D2K0, ECO:0000269 PubMed:18667602}.
Molecular Weight:	44.1 kDa
UniProt:	Q8BZF2

Application Details

Application Notes:	We expect the protein to work for functional studies. 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