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Datasheet for ABIN7555060

PPHLN1 Protein (AA 1-458) (His tag)

Overview

Quantity:	1 mg
Target:	PPHLN1
Protein Characteristics:	AA 1-458
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PPHLN1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PPHLN1 Protein expressed in mammalien cells.
Sequence:	MWSEGRYEYE RIPRERAPPR SHPSDGYNRL VNIVPKKPPL LDRPGEESYN RYYSHVDYRD YDEGRSFSHD RRS GPPHRGD ESGYRWTRDD HSASRQPEYR DMRDGFRRKS FYSSHYARER SPYKRDNTFF RESPVGRKDS PHSRSGSSVS SRSYSPERSK SYSFHQSQHR KSVRPGASYK RQNEGNPERD KERPVQSLKT SRDTSPSSGS AVSSSKVLDK PSRLTEKELA EAASKWAAEK LEKSDESNLP EISEYEAGST APLFTDQPEE PESNTTHGIE LFEDSQLTTR SKAIASKTKE IEQVYRQDCE TFGMVVKMLI EKDPSLEKSI QFALRQNLHE IESAGQTWQQ VPPVRNTEMD HDGTPENEGE ETAQSAPQPP QAPQLQPRK KRVRRTTQLR RTTGAPDITW GMLKKTQEA ERILLRTQTP FTPENLFLAM LSVVHCNSRK DVKPENKQ 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:

PPHLN1

Alternative Name:

PPHLN1 ([PPHLN1 Products](#))

Background:

Periphilin-1 (CDC7 expression repressor) (CR) (Gastric cancer antigen Ga50),FUNCTION: Component of the HUSH complex, a multiprotein complex that mediates epigenetic repression. The HUSH complex is recruited to genomic loci rich in H3K9me3 and is probably required to maintain transcriptional silencing by promoting recruitment of SETDB1, a histone methyltransferase that mediates further deposition of H3K9me3. In the HUSH complex, contributes to the maintenance of the complex at chromatin (PubMed:26022416). Acts as a transcriptional corepressor and regulates the cell cycle, probably via the HUSH complex (PubMed:15474462, PubMed:17963697). The HUSH complex is also involved in the silencing of unintegrated retroviral DNA: some part of the retroviral DNA formed immediately after infection remains unintegrated in the host genome and is transcriptionally repressed (PubMed:30487602). May be involved in epithelial differentiation by contributing to epidermal integrity and barrier formation (PubMed:12853457). {ECO:0000269|PubMed:15474462, ECO:0000269|PubMed:17963697, ECO:0000269|PubMed:26022416,

Target Details

ECO:0000269|PubMed:30487602, ECO:0000305|PubMed:12853457}.

Molecular Weight: 52.7 kDa

UniProt: [Q8NEY8](#)

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
