

Datasheet for ABIN7550972
PREPL Protein (AA 1-727) (His tag)



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Overview

Quantity:	1 mg
Target:	PREPL
Protein Characteristics:	AA 1-727
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PREPL protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat PREPL Protein expressed in mammalien cells.
Sequence:	<p>MQQKTKLFLQ ALKYSIPHLG KCMQKQHLNH YNFADHCYNR IKLKKYHLTK CLQNPKPISE LARNIPSRSF SCKDLQPVKQ ENKPLPENM DAFEKVRTKL ETQPQEEYEI INVEVKHGGF VYYQEGCCLV RSKDEEADND NYEVLNLEE LKLDQPFIDC IRVAPDEKYV AAKIRTEDSE ASTCVIIKLS DQPVMEASFP NVSSFVWVD EDEDVLFYT FQRNLRCHDV YRATFGDNKR NERFYTEKDP SYFVFLYLTK DSRFLTINIM NKTTSEVWLI DGLSPWPPV LIQKRIHGVL YYVEHRDDEL YILTNVGEPT EFKLMRTAAD TPAIMNWDLF FTMKRNTKVI DLDMFKDHCV LFLKHSNLLY VNVIGLADDS VRSLKLPWA CGFIMDTNSD PKNCPFQLCS PIRPPKYYTY KFAEGKLFEE TGHPITKT SRVLRLEAKS KDGKLVPM TV FHKTDSEDLQ KKPLLHVHYG AYGMDLKMNFRPERRLVDD GWILAYCHVR GGGELGLQWH ADGRLTKKLN GLADLEACIK TLHGQGFSSQ SLTTLTAFSA GGVLGALCN SNPVLRAVT LEAPFLDVLN TMMDTTLPLT LEELEEWGNP SSDEKHKNYI KRYCPYQNIK PQHYPSIHIT AYENDERVPL KGIVSYTEKL</p>

Product Details

KEAIAEHAKD TGEYQTPNI ILDIQPGGNH VIEDSHKKIT AQIKFLYEEL GLDSTSVFED LKKYLKF

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: PREPL

Alternative Name: PREPL ([PREPL Products](#))

Background: Prolyl endopeptidase-like (EC 3.4.21.-) (Prolylendopeptidase-like),FUNCTION: Serine peptidase whose precise substrate specificity remains unclear (PubMed:16143824, PubMed:16385448, PubMed:28726805). Does not cleave peptides after a arginine or lysine residue (PubMed:16143824). Regulates trans-Golgi network morphology and sorting by regulating the membrane binding of the AP-1 complex (PubMed:23321636). May play a role in the regulation of synaptic vesicle exocytosis (PubMed:24610330). {ECO:0000269|PubMed:16143824, ECO:0000269|PubMed:16385448, ECO:0000269|PubMed:23321636, ECO:0000269|PubMed:24610330, ECO:0000269|PubMed:28726805}.

Molecular Weight: 83.9 kDa

Target Details

UniProt: [Q4J6C6](#)

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