

Datasheet for ABIN7554373
LNPEP Protein (AA 1-1025) (His tag)



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Overview

Quantity:	1 mg
Target:	LNPEP
Protein Characteristics:	AA 1-1025
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This LNPEP protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant LNPEP Protein expressed in mammalian cells.
Sequence:	<p>MEPFTNDRLQ LPRNMIENSM FEEEPDVVDL AKEPCLHPLE PDEVEYEPRG SROLLVRGLGE HEMEEDEEDY ESSAKLLGMS FMNRSSGLRN SATGYRQSPD GACSVPSART MIVCAFVIVV AVSVIMVIYL LPRCTFTKEG CHKKNQSIGL IQPFATNGKL FPWAQIRLPT AVVPLRYELS LHPNLTSMTF RGSVTISVQA LQVTWNIILH STGHNISRVT FMSAVSSQEK QAEILEYAYH GQIAIVAPEA LLAGHNYTLK IEYSANISSS YYGFGFSYT DESNEKKYFA ATQFEPLAAR SAFPCFDEPA FKATFIKII RDEQYALS NMPKKSSVLD DGLVQDEFSE SVKMSTYLVA FIVGEMKNLS QDVNGTLVSI YAVPEKIGQV HYALET TVKL LEFFQNYFEI QYPLKKLDLV AIPDFEAGAM ENWGLLTFRE ETLLYDSNTS SMADRKLVTK IIAHELAHQW FGNLVTMKWW NDLWLNEGFA TFMEYFSLEK IFKELSSYED FLDARFKTMK KDSLNSSHPI SSSVQSSEKI EEMFDSLSYF KGSSLLMLK TYLSEDFVQH AVVLYLHNHS YASIQSDDLW DSFNEVTNQT LDVKRMMKTW TLQKGFPLVT VQKKGKELFI QQERFFLNMK PEIQSDTSY LWHIPLSYVT EGRNYSKYQS VSLLDKKSGV INLTEEVLWW KVNINMNGYY IVHYADDDWE ALIHLKINP</p>

Product Details

YVLSDKDRAN LINNIFELAG LGKVPLKRAF DLINYLGREN HTAPITEALF QTDLIYNLLE
KLGYMDLASR LVTRVFKLLQ NQIQQTWTD EGTPSMRELK SALLEFACTH NLGNCSTTAM
KLFDDWMASN GTQSLPTDVM TTVFKVGAKT DKGWSFLLGK YISIGSEAEK NKILEALASS
EDVRKLYWLM KSSLNGDNFR TQKLSFIIRT VGRHFPGHLL AWDFVKENWN KLVQKFPLGS
YTIQNIVAGS TYLFSTKTHL SEVQAFFENQ SEATFRLRCV QEALEVIQLN IQWMEKNLKS LTWWL

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.

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:

- 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: LNPEP

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

Background: Leucyl-cystinyl aminopeptidase (Cystinyl aminopeptidase) (EC 3.4.11.3) (Insulin-regulated membrane aminopeptidase) (Insulin-responsive aminopeptidase) (IRAP) (Oxytocinase) (OTase) (Placental leucine aminopeptidase) (P-LAP) [Cleaved into: Leucyl-cystinyl aminopeptidase,

Target Details

pregnancy serum form],FUNCTION: Release of an N-terminal amino acid, cleaves before cysteine, leucine as well as other amino acids. Degrades peptide hormones such as oxytocin, vasopressin and angiotensin III, and plays a role in maintaining homeostasis during pregnancy. May be involved in the inactivation of neuronal peptides in the brain. Cleaves Met-enkephalin and dynorphin. Binds angiotensin IV and may be the angiotensin IV receptor in the brain. {ECO:0000269|PubMed:11389728, ECO:0000269|PubMed:11707427, ECO:0000269|PubMed:1731608}.

Molecular Weight: 117.3 kDa

UniProt: [Q9UIQ6](#)

Pathways: [Regulation of long-term Neuronal Synaptic Plasticity](#)

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