

Datasheet for ABIN7564493
LNPEP Protein (AA 1-1025) (His tag)



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Overview

Quantity:	1 mg
Target:	LNPEP
Protein Characteristics:	AA 1-1025
Origin:	Mouse
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:	MESFTNDRLQ LPRNMIENSM FEEEPDVVDL AKEPCLHPLE PDEVEYEPRG SROLLVRGLGE HEMDEDEEDY ESSAKLLGMS FMNRSSGLRN SAAGYRQSPD GTCSLPSART LVICVFVIVV AVSVIMVIYL LPRCTFTKEG CHKTNQSAEL IQPVATNGKV FPWAQIRLPT AIPLCYELS LHPNLTSMTF RGSVTISLQA LQDTRDIILH STGHNISRVT FMSAVSSQEK QVEILEYPYH EQIAVVAPEP LLTGHNYTLK IEYSANISNS YYGFGITYT DKSNEKKYFA ATQFEPLAAR SAFPCFDEPA FKATFIIKIT RNEHTALSN MPKKSSVPAE EGLIQDEFSE SVKMSTYLVA FIVGEMRNLS QDVNGTLVSV YAVPEKIGQV HHALDTTIKL LEFYQTYFEI QYPLKKLDLV AIPDFEAGAM ENWGLLTFRE ETLLYDNATS SVADRKLVTK IIAHELAHQW FGNLVTMQWW NDLWLNEGFA TFMEYFSVEK IFKELNSYED FLDARFKTMR KDSLNSSHPI SSSVQSSEQI EEMFDSLSYF KGASLLMLK SYLSEDVFRH AVILYLNHS YAAIQSDDLW DSFNEVTDKT LDVKKMMKTW TLQKGFPLVT VQRKGTELLL QQERFFLRMQ PESQPSDTSW LWHIPISYVT DGRNYSEYRS VSLLDKKSDV INLTEQVQVW KVNSNMTGYV IVHYAHDDWT ALINQLKRNK

Product Details

YVLSDKDRAN LINNIFELAG LGKVPLRMAF DLIDYLKNET HTAPITEALF QTNLIYNLLE
KLGHMDLSSR LVARVHKLLQ NQIQQTWTD EGTPSMRELK SALLEFACAH SLENCTTMAT
NLFDSWMASN GTQSLPTDVM VTVFKVGART EKGWLFLLFSM YSSMGSEAEK NKILEALASS
EDVHKLYWLM KSSLDGDIIR TQKLSLIIRT VGRHFPGHLL AWDFVKENWN KLVHKFHLGS
YTIQSIVAGS THLFSTKTHL SEVQAFFENQ SEATLKLRCV QEALEVIQLN IQWMVRNLKT LSQWL

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) (Oxytocinase) (OTase),FUNCTION: Release of an N-terminal amino acid, cleave before cysteine, leucine as well as other amino acids. Degrades peptide hormones such as oxytocin, vasopressin and

Target Details

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 (By similarity). {ECO:0000250}.

Molecular Weight: 117.3 kDa

UniProt: [Q8C129](#)

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