

Datasheet for ABIN7555073
NPEPPS Protein (AA 1-919) (His tag)



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Overview

Quantity:	1 mg
Target:	NPEPPS
Protein Characteristics:	AA 1-919
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This NPEPPS protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant NPEPPS Protein expressed in mammalian cells.
Sequence:	<p>MWLAAAAPSL ARRLFLGPP PPPLLLLVFS RSSRRRLHSL GLAAMPEKRP FERLPADVSP</p> <p>INYSCLKPKD LLDFTFEGKL EAAQVRQAT NQIVMNCADI DIITASYAPE GDEEIHATGF</p> <p>NYQNEDEKVT LSFPSTLQTG TGTCLKIDFVG ELNDKMKGFY RSKYTTPSGE VRYAAVTQFE</p> <p>ATDARRAFPC WDEPAIKATF DISLVVPKDR VALSNMNVID RKPYPDDENL VEVKFARTPV</p> <p>MSTYLVAFVV GEYDFVETRS KDGVCVRVYT PVGKAEQGKF ALEVAAKTLP FYKDYFNVPY</p> <p>PLPKIDLIAI ADFAAGAMEN WGLVTYRETA LLIDPKNSCS SSRQWVALVV GHELAHQWFG</p> <p>NLVTMEWWTW LWLNEGFASW IEYLCVDHCF PEYDIWTQFV SADYTRAQEL DALDNSHP</p> <p>IEVSGHPSEVD EIFDAISYSK GASVIRMLHD YIGDKDFKKG MNMYLTKFQQ KNAATEDLWE</p> <p>SLENASGKPI AAVMNTWTKQ MGFPLIYVEA EQVEDDRLLR LSQKKFCAGG SYVGEDCPQW</p> <p>MVPITISTSE DPNQAKLKIL MDKPEMNVVL KNVCPDQWVK LNLGTVGFYR TQYSSAMLES</p> <p>LLPGIRDLSL PPVDRLGLQN DLFSLARAGI ISTVEVLKVM EAFVNEPNYT VWSDLSCN</p> <p>LG ILSTLLSHTD FYEEIQEFVK DVFSPIGERL GWDPKPGEGH LDALLRGLVL GKLKAGHKA</p>

Product Details

TLEEARRRFK DHVEGKQILS ADLRSPVYLT VLKHGDGTTL DIMLKLHKQA DMQEEKNRIE
RVLGATLLPD LIQKVLTFAL SEEVPRQDTV SVIGGVAGGS KHGRKAAWKF IKDNWEELYN
RYQGGFLISR LIKLSVEGFA VDKMAGEVKA FFESHAPSA ERTIQCCEN ILLNAAWLKR
DAESIHQYLL QRKASPTTV **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:	<p>Key Benefits:</p> <ul style="list-style-type: none">• 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). <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	NPEPPS
Alternative Name:	NPEPPS (NPEPPS Products)
Background:	<p>Puromycin-sensitive aminopeptidase (PSA) (EC 3.4.11.14) (Cytosol alanyl aminopeptidase) (AAP-S),FUNCTION: Aminopeptidase with broad substrate specificity for several peptides. Involved in proteolytic events essential for cell growth and viability. May act as regulator of neuropeptide activity. Plays a role in the antigen-processing pathway for MHC class I molecules. Involved in the N-terminal trimming of cytotoxic T-cell epitope precursors. Digests</p>

Target Details

the poly-Q peptides found in many cellular proteins. Digests tau from normal brain more efficiently than tau from Alzheimer disease brain. {ECO:0000269|PubMed:10978616, ECO:0000269|PubMed:11062501, ECO:0000269|PubMed:17154549, ECO:0000269|PubMed:17318184, ECO:0000269|PubMed:19917696}.

Molecular Weight: 103.3 kDa

UniProt: [P55786](#)

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