

Datasheet for ABIN7563628  
**NPEPPS Protein (AA 1-920) (His tag)**



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## Overview

Quantity:	1 mg
Target:	NPEPPS
Protein Characteristics:	AA 1-920
Origin:	Mouse
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:	MWLAAVPSL ARRLLLGPP PPPLLLLLSR SSRRRRLHS LGLAAMPEKR PFERLPAEVS PINYSLCLKP DLLDFTFEGK LEAAAQVRQA TNQIVMNCAD IDIITASYAP EGDEEIHATG FNYQNEDEKV TLSFPSTLQT GTGTLKIDFV GELNDKMKGF YRSRYTTPAG EVRYAAVTQF EATDARRAFP CWDEPAIKAT FDISLVVPKD RVALSNMNV DRKPYPDEN LVEVKFARTP VMSTYLVAFV VGEYDFVETR SKDGVCVRVY TPVGKAEQ GK FALEVAAKTL PFYKDYFNVP YPLPKIDLIA IADFAAGAME NWGLVTYRET ALLIDPKNSC SSSRQWVALV VGHELAHQWF GNLVTMEWWT HLWLNEGFAS WIEYLCVDHC FPEYDIWTQF VSADYTRAQE LDALDNSHPI EVSVGH PSEV DEIFDAISYS KGASVIRMLH DYIGDKDFKK GMNMYLTKFQ QKNAATEDLW ESLESASGKP IAAVMNTWTK QMGFPLIYVE AEQVEDDRVL KLSQKKFCAS GPYGGEDCPQ WMVPITISTS EDPNQAKLKI LMDKPMSV LKNVKPDQWV KLNLGTVGFY RTQYSSAMLE SLLPGIRDLS LPPVDRLGLQ NDLFSLARAG IISTVEVLKV MEAFVNEPNY TVWSDLSCNL GILSTLLSHT DFYEEIQEFV KDVFSPIGER LGWDPKPGEG HLDALLRGLV LGKLGKAGHK

## Product Details

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ATLEEARRRF KEHVEGKQIL SADLRSPVYL TVLKHGDGAT LDIMLKLHKQ ADMQEEKNRI  
ERVLGATLSP ELIQKVLTFALSEEVRPQDT VSVIGGVAGG SKHGRKAAWK FIKDNWEELH  
NRYQGGFLIS RLIKLSVEGF AVDKMAGEVK AFFESHAPS AERTIQQCCE NILLNAAWLK  
RDADSIHQYL LQRKTSPPSV **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

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**Target:** NPEPPS

**Alternative Name:** Npepps ([NPEPPS Products](#))

**Background:** 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

## Target Details

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the poly-Q peptides found in many cellular proteins. {ECO:0000269|PubMed:7592939}.

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Molecular Weight: 103.3 kDa

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UniProt: [Q11011](#)

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## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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