

## NPEPPS Protein, Human, Recombinant (His & Myc)

### General Information

Synonyms:	NPEPPS;Puromycin-sensitive aminopeptidase;Cytosol alanyl aminopeptidase (AAP-S);PSA
Protein Construction:	53-504 aa
Species:	Human
Expression Host:	Baculovirus Insect Cells
Accession:	P55786
Molecular Weight:	54.9 kDa (predicted)
AA Sequence:	RLPADVSPINYSLCLKPDLDFTEFGKLEAAAQVRQATNQIVMNCADIDIITASYAPEGDEEIHATGFNYQNEDEKVTLSFPSTLQGTGTGLKIDFVGGELNDKMKGFYRSKYTTPSGEVRYAAVTQFEATDARRAFPCWDEPAIKATFDISLVVPKDRVALSNMNVIDRKPYPDENLVEVKFARTPVMSTYLVAFFVGEYDFVETRSDGVCVRVYTPVGVKAEQGGFALEVAAKLPPFYKDYFNVPYPLPKIDLIAADFAAGAMENWGLVTYRETALLIDPKNSCSSSRQWVALVVGHELAHQWFGNLVTMEWTHLWLNNEGFASWIEYLCVDHCFPEYDIWTQFVSADYTRAQELDALDNSHPIEVSVGHPSEVDEIFDAISYSKSGASVIRMLHDYIGDKDFKKGMNMYLTKFQQNAATEDLWESLENASGKPIAAVMNTWTKQMGFP

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	> 85% as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/μg of the protein as determined by the LAL method.
Formulation:	Tris-based buffer, 50% glycerol

### Preparation and Storage

#### Reconstitution:

A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

*Actual storage temperature shall be subject to the COA.*

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

## A DRUG SCREENING EXPERT

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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 the poly-Q peptides found in many cellular proteins. Digests tau from normal brain more efficiently than tau from Alzheimer disease brain.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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