

XPNPEP1, 1-623aa, Human, His tag, E.coli

Cat.NO.: TP04513

3th Edition

Synonyms:Xaa-Pro aminopeptidase 1 isoform 1, APP1, SAMP, XPNPEP, XPNPEPL, XPNPEPL1

Description:XPNPEP1 also known as Xaa-Pro aminopeptidase 1 isoform 1, is encodes the cytosolic form of a metalloaminopeptidase that catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. This product may play a role in degradation and maturation of tachykinins, neuropeptides, and peptide hormones. Recombinant human XPNPEP1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form:Liquid, In Phosphate buffered saline (pH7.4) containing 20% glycerol

Molecular Weight:73.4kDa (655aa)

Sequences:

MGSSHHHHHSSGLVPRGSHMGSEFELRRQASMPKVTSELLRQLRQAMRNSEYVTEPIQAYIIPSGDAHQSEYI
APDCRRAFVSGFDGSAGTAITEEHAAMWTDGRYFLQAAKQMDSNWTLMKMKGLKDTPTQEDWLVSVLPEGSRV
GVDPLIPTDYWKMAKVLRSAGHHLIPVKENLVDKIWTDRPERPCKPLLTLGLDYGISWKDKVADLRLKMAERNV
MWFVVTALDEIAWLFNLRGSDVEHNPVFFSYAIIIGLETIMLFIDGDRIDAPSVKEHLLLDLGLEAEYRIQVHPYKSILSE
LKALCADLSPREKVVVSDKASYAVSETIPKDHRCMPYTPICIAKAVKNSAESEGMRRRAHIKDAVALCELFWLEKE
VPKGGVTEISAADKAEFFRRQQADFVDSLFSPTISSTGPNGAIIHYAPVPETNRTLSDLDEVYLIDSGAQYKDGTTDVTR
TMHFGTPTAYEKECFYVLKGHIAVSAVFPTGKGHLLDSFARSALWDSGLDYLHGTGHGVGSFLNVHEGPCGIS
YKTFSDPELEAGMIVTDEPGYYEDGAFGIRIENVLVVVPVKTKYNFNNGSLTFEPLTLVPIQTKMIDVDSLTDKECD
WLNNYHLTCRDVIGKELQKQGRQEALWLIRETQPISKQH

Purity:> 95% by HPLC

Concentration:1mg/ml (determined by Absorbance at 280nm)

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.