

32-6949: XPNPEP1 Human

Alternative Name : X-Prolyl Aminopeptidase (Aminopeptidase P) 1, Soluble, XPNPEPL, SAMP, X-Prolyl Aminopeptidase 1, Soluble, Aminoacylproline Aminopeptidase, Cytosolic Aminopeptidase P, Soluble Aminopeptidase P, X-Pro Aminopeptidase 1, EC 3.4.11.9, XPNPEPL1, X-Prolyl Aminopeptidase (Aminopeptidase P)-Like, Aminopeptidase P, Cytosolic, Xaa-Pro Aminopeptidase 1, XPNPEP, APP1, Xaa-Pro aminopeptidase 1.

Description

Source: Escherichia Coli.

Sterile filtered colorless solution.

X-Prolyl Aminopeptidase-1, also known as XPNPEP1 is a member of the peptidase M24B family. XPNPEP1 encodes the cytosolic form of a metalloaminopeptidase which catalyzes the cleavage of the N-terminal amino acid adjacent to a proline residue. Furthermore, XPNPEP1 plays a role in degradation as well as maturation of tachykinins, neuropeptides and peptide hormones.

XPNPEP1 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 655 amino acids (1-623 a.a) and having a molecular mass of 73.4kDa. XPNPEP1 is fused to a 32 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount : 5 µg / 20 µg

Purification : Greater than 85.0% as determined by SDS-PAGE.

Content : XPNPEP1 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) and 20% glycerol.

Storage condition : Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Amino Acid : MGSSHHHHHH SSSLVPRGSH MGSEFELRRQ ASMPPKVTSE LLRQLRQAMR NSEYVTEPIQ AYIIPSGDAH QSEYIAPCDC RRAFVSGFDG SAGTAITEE HAAMWTDGRY FLQAAKQMD S NWTLMKMG LK DTPTQEDWL V SVLPEGSRV G VDPLIPTDY WKKMAKVLRS AGHHLIPVKE NLVDKIWTD R PERPCKPLLT LGLDYTGISW KDKVADLR LK MAERNVMWFV V TALDEIAWL FNLRGSDVEH NPVFFSYAII GLETIMLFID GDRIDAPSVK EHLLLDLGL E AEYRIQVHPY KSILSELKAL CADLSPREKV WVSDKASYAV SETIPKDHRC CMPYTPICIA KAVKNSAESE GMRRRAHIKDA VALCELFNWL EKEVPKGGVT EISAADKAE E FRRQQADFVD LSFPTISSTG PNGAIIHYAP VPETNRTL S L DEVYLIDSGA QYKDGTTDVT RTMHFGTPTA YEKECFYVL KGHIAVSAAV FPTGKGHLL DSFARSALWD SGLDYLHGTG HGVGSFLNVH EGPCGISYKT FSDEPLEAGM IVTDEPGY E DGAFGIRIEN VVLVVPV KTK YNFNNRGLT FEPLTLVPIQ TKMIDVDSL T DKECDWLNNY HLTCDRVIGK ELQKQGRQEA LEWLIRETQP ISKQH.