

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 SSGLVPRGSH MGSEFELRRQ ASMPPKVTSE LLRQLRQAMR NSEYVTEPIQ AYIIPSGDAH QSEYIAPCDC RRAFVSGFDG SAGTAITEE HAAMWTDGRY FLQAAQMDS NWTLMKMGK DTPTQEDWLVS VLPEGSRVG VDPLIPTDY WKKMAKVLRS AGHHLIPVKE NLVDKIWTDR PERPCKPLLT LGLDYGISW KDKVADLRK MAERNVMWFV VTALDEIAWL FNLRGSDVEH NPVFFSYAI GLETIMLFID GDRIDAPSVK EHLLLDLGLAEYRIQVHPY KSILSELKAL CADLSPREKV WVSDKASYAV SETIPKDHRC CMPYTPICIA KAVKNSAESE GMRRRAHIKDA VALCELFNWL EKEVPKGGVT EISAADKAE FRRQQADFVD LSFPTISSTG PNGAIHYAP VPETNRTLSD DEVYLIDSGA QYKDGTTDVT RTMHFGTPTA YEKECFYVL KGHIAVSAAV FPTGTGKHL DLFARSALWD SGLDYLHGTG HGVGSFLNVH EGPCGISYKT FSDEPLEAGM IVTDEPGYIE DGAFGIRIEN VVLVVPVTK YNFNNRGS LT FEPLTLVPIQ TKMIDVDSL DKECDWLNNY HLTCDVIGK ELQKQGRQEA LEWLIRETQP ISKQH.