

Product Data Sheet

Recombinant Human XPNPEP1 Protein

Catalog #	Source	Reactivity	Applications
CRP2542	E. coli	H	E, WB, SDS-PAGE, MS
Description	Recombinant Human XPNPEP1 Protein is produced by E. coli expression system and the target gene encoding Pro2-His623 is expressed with a 6His tag at the C-terminus.		
Form	Liquid in a 0.2 µM filtered solution of 20mM Tris-HCl, 10% Glycerol, pH 8.0.		
Gene Symbol	XPNPEP1		
Alternative Names	XPNPEPL; XPNPEPL1; Xaa-Pro aminopeptidase 1; Aminoacylproline aminopeptidase; Cytosolic aminopeptidase P; Soluble aminopeptidase P; sAmp; X-Pro aminopeptidase 1; X-prolyl aminopeptidase 1, soluble		
Entrez Gene	7511 (Human)		
SwissProt	Q9NQW7 (Human)		
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.		
Chemical Structure	MPPKVTSELL RQLRQAMRNS EYVTEPIQAY IIPSGDAHQS EYIAPCDCRR AFVSGFDGSA GTAITEEHA AMWTDGRYFL QAAQMDSNW TLMKMGLKDT PTQEDWLVSF LPEGSRVGVD PLIPTDYWK KMAKVLRSAG HHLIPVKENL VDKIWTDRPE RPCKPLLTG LDYTGISWKD KVADLRKMA ERNVMWFVVT ALDEIAWLFN LRGSDVEHNP VFFSYAIGL ETIMLFIDGD RIDAPSVKEH LLLDLGLEAE YRIQVHPYKS ISELKALCA DLSPREKVWV SDKASYAVSE TIPKDHRCM PYTPICIAKA VKNSAESEGM RRAHIKDAVA LCELFNWLEK EVPKGGVTEI SAADKAEFR RQQADFVDLS FPTISSTGPN GAIHYAPVP ETNRTLSDLE VYLIDSGAQY KDGTDDVTRT MHFGTPTAYE KECFTYVLKG HIAVSAAVFP TGTKGHLLDS FARSALWDSG LDYLHGTGHG VGSFLNVHEG PCGISYKTF DEPLEAGMIV TDEPGYYEDG AFGIRIENVV LVVPVKTKYN FNNRGSITFE PLTLVPIQTK MIDVDSLTDK ECDWLNNYHL TCRDVIGKEL QKQGRQEAL WLIRETQPIS KQHSHHHH		

Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference

Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish

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Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage/Stability	Store it at -20°C to -80°C for one year. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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