

Recombinant Full Length Human XPNPEP2 Protein, C-Flag-tagged

Cat. No. XPNPEP2-1925HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human XPNPEP2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	Aminopeptidase P is a hydrolase specific for N-terminal imido bonds, which are common to several collagen degradation products, neuropeptides, vasoactive peptides, and cytokines. Structurally, the enzyme is a member of the 'pita bread fold' family and occurs in mammalian tissues in both soluble and GPI-anchored membrane-bound forms. A membrane-bound and soluble form of this enzyme have been identified as products of two separate genes.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	75.4 kDa
AA Sequence	MARAHWGCCPWLVLCCACAWGHTKPVDLGGQDVRNCSTNPPYLPVTVVNTTMSL TALRQQMQTQNLSAYI IPGTDAMNEYIGQHDERRAWITGFTGSAGTAVVTMKKAA VWTDSRYWTQAERQMDCNWELHKEVGTTPI VTWLLTEIPAGGRVGFDPFLLSIDT WESYDLALQGSNRQLVSITTNLVDLVWGSERPPVPNQPIYALQEA FTGSTWQEKVS GVRSQMQKHQKVPTAVLLSALEETAWLFNLRASDIPYNPFFYSYTLTLDSSIRLFANK S RFSSETLSYLNSSCTGPMCVQIEDYSQVRDSIQAYSLGDVRIWIGTSYTMYGİYEM

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IPKEKLVTDTYSPV MMTKAVKNSKEQALLKASHVRDAVAVIRYLVWLEKNVPKGTVD
 EFSGAEIVDKFRGEEQFSSGSPFETIS ASGLNAALAHYSPTKELNRKLSSDEMYLLD
 SGGQYWDGTTDITRTVHWGTPSAFQKEAYTRVLIGNIDLS RLIFPAATSGRMVEAFA
 RRALWDAGLNYGHGTGHGIGNFLCVHEWPVGFQSNNIAMAKGMFTSIEPGYYK DG
 EFGIRLEDVALVVEAKTKYPGSYLTFEVVSFVPYDRNLIDVSLLSPEHLQYLNRYYYQTI
 REKVGPELQ RRQLLEEFEWLQQHTEPLAARAPDTASWASVLVVSTLAILGWSV TR
 TRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protease
Full Length	Full L.

GENE INFORMATION

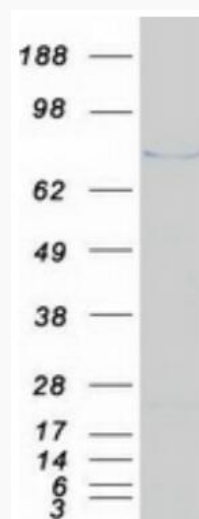
Gene Name	XPNPEP2 X-prolyl aminopeptidase 2 [Homo sapiens (human)]
Official Symbol	XPNPEP2
Synonyms	APP2; AEACEI

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Gene ID	7512
mRNA Refseq	NM_003399.6
Protein Refseq	NP_003390.4
MIM	300145
UniProt ID	O43895



Coomassie blue staining of purified XPNPEP2 protein.