

## Product datasheet for **TP322768**

### **XPNPEP2 (NM\_003399) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human X-prolyl aminopeptidase (aminopeptidase P) 2, membrane-bound (XPNPEP2), 20 µg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA Clone or AA Sequence:</b>	>RC222768 representing NM_003399 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)  MARAHWGCCPWLVLLCACAWGHTKPVDLGGQDVRNCSTNPPYLPVTWNTTMSLTALRQQMQTQNLSAYI IPGTAHMNEYIGQHDERRAWITGFTGSAGTAVTMKKAHVWTDSDRYWTQAERQMDCNWEHKEVGTPI VTWLLTEIPAGGRVGFDPFLLSIDTWESYDLALQGSNRQLVSITTNLVDLVWGSERPPVNPQIYALQEA FTGSTWQEKVSGVRSQMQRKQKVPPTAVLLSALEETAWLFLNLRASDIPYNPFYSYLLTSSIRLFANKS RFSSETLSYLNSSCTGPMCVQIEDYSQVRDSIQAYSLGDVRIWIGTSYTMYGIVEMIPKEKLVTDYSPV MMTKAVKNSKEQALLKASHVRDAVAVIRYLWLEKNVPGKTVDEFSGAEIVDKFRGEEQFSSGSPFETIS ASGLNAALAHYSPTKELNRKLSSEMYLLDSGGQYWDGTTDITRTVHWGTPSAFQKEAYTRVLIGNIDL RLIFPAATSGRMVEAFARRALWDAGLNYGHGTGHGIGNFLCVHEWPVGFQSNNIAMAKGMFTSIEPGYYK DGEFGIRLEDVALVEAKTKYPGSYLTFEWSFVYPYDRNLIDVSLLSPEHLQYLNRYQTIREKVGPELQ RRQLLEEFEWLQHQTEPLAARAPDTASWASVLVSTLAILGWSV  <b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	75.4 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.



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**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_003390](#)

**Locus ID:** 7512

**UniProt ID:** [O43895](#)

**RefSeq Size:** 3329

**Cytogenetics:** Xq26.1

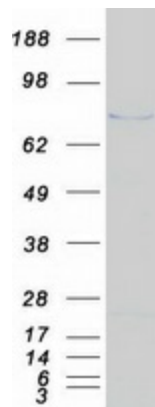
**RefSeq ORF:** 2022

**Synonyms:** AEACEI; APP2

**Summary:** 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. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protease

### Product images:



Coomassie blue staining of purified XPNPEP2 protein (Cat# TP322768). The protein was produced from HEK293T cells transfected with XPNPEP2 cDNA clone (Cat# [RC222768]) using MegaTran 2.0 (Cat# [TT210002]).