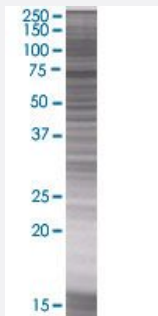


XPNPEP1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00007511-T01

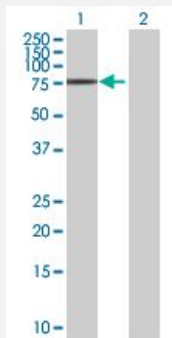
Size 100 uL

Applications



SDS-PAGE Gel

XPNPEP1 transfected lysate.



Western Blot

Lane 1: XPNPEP1 transfected lysate (68.64 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-XPNPEP1 full-length
Host	Human
Theoretical MW (kDa)	68.64
Interspecies Antigen Sequence	Mouse (96); Rat (96)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-XPNPEP1 antibody ([H00007511-B01](#)) by Western Blots.
 SDS-PAGE Gel
 XPNPEP1 transfected lysate.
 Western Blot
 Lane 1: XPNPEP1 transfected lysate (68.64 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — XPNPEP1

Entrez GeneID

[7511](#)

GeneBank Accession#

[NM_020383.2](#)

Protein Accession#

[NP_065116.2](#)

Gene Name

XPNPEP1

Gene Alias

SAMP, XPNPEP, XPNPEPL, XPNPEPL1

Gene Description

X-prolyl aminopeptidase (aminopeptidase P) 1, soluble

Omim ID

[602443](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

X-prolyl aminopeptidase (EC 3.4.11.9) is a proline-specific metalloaminopeptidase that specifically catalyzes the removal of any unsubstituted N-terminal amino acid that is adjacent to a penultimate proline residue. Because of its specificity toward proline, it has been suggested that X-prolyl aminopeptidase is important in the maturation and degradation of peptide hormones, neuropeptides, and tachykinins, as well as in the digestion of otherwise resistant dietary protein fragments, thereby complementing the pancreatic peptidases. Deficiency of X-prolyl aminopeptidase results in excretion of large amounts of imino-oligopeptides in urine (Blau et al., 1988 [PubMed 3141711]).[supplied by OMIM]

Other Designations

OTTHUMP00000020457|OTTHUMP00000058856|X-prolyl aminopeptidase (aminopeptidase P) 1, soluble (SAMP, XPNPEP, XPNPEPL)|X-prolyl aminopeptidase (aminopeptidase P)-like

Disease

- [Alzheimer Disease](#)
- [Biliary Atresia](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)