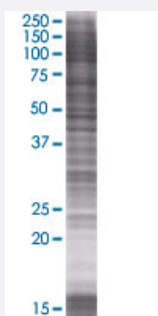


ANPEP 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000290-T01

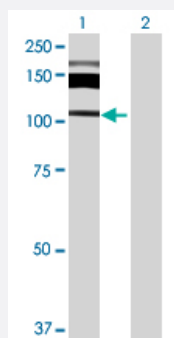
Size 100 uL

Applications



SDS-PAGE Gel

ANPEP transfected lysate.



Western Blot

Lane 1: ANPEP transfected lysate (106.48 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-ANPEP full-length
Host	Human
Theoretical MW (kDa)	106.48
Interspecies Antigen Sequence	Mouse (76); Rat (78)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-ANPEP antibody ([H00000290-B01](#)) by Western Blots.
SDS-PAGE Gel
ANPEP transfected lysate.
Western Blot
Lane 1: ANPEP transfected lysate (106.48 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 — ANPEP

Entrez GeneID[290](#)**GeneBank Accession#**[NM_001150.1](#)**Protein Accession#**[NP_001141.1](#)**Gene Name**

ANPEP

Gene Alias

APN, CD13, LAP1, PEPN, gp150, p150

Gene Description

alanyl (membrane) aminopeptidase

Omim ID[151530](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

Aminopeptidase N is located in the small-intestinal and renal microvillar membrane, and also in other plasma membranes. In the small intestine aminopeptidase N plays a role in the final digestion of peptides generated from hydrolysis of proteins by gastric and pancreatic proteases. Its function in proximal tubular epithelial cells and other cell types is less clear. The large extracellular carboxyterminal domain contains a pentapeptide consensus sequence characteristic of members of the zinc-binding metalloproteinase superfamily. Sequence comparisons with known enzymes of this class showed that CD13 and aminopeptidase N are identical. The latter enzyme was thought to be involved in the metabolism of regulatory peptides by diverse cell types, including small intestinal and renal tubular epithelial cells, macrophages, granulocytes, and synaptic membranes from the CNS. Human aminopeptidase N is a receptor for one strain of human coronavirus that is an important cause of upper respiratory tract infections. Defects in this gene appear to be a cause of various types of leukemia or lymphoma. [provided by RefSeq]

Other Designations

OTTHUMP00000194690|aminopeptidase M|aminopeptidase N|membrane alanine aminopeptidase|microsomal aminopeptidase

Pathway

- [Glutathione metabolism](#)
- [Hematopoietic cell lineage](#)
- [Metabolic pathways](#)
- [Renin-angiotensin system](#)

Disease

- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Lung Neoplasms](#)
- [Tobacco Use Disorder](#)