

Proteoliposomes

Full-Length

# ANPEP (Human) Recombinant Protein

Catalog # H00000290-G01

Size 10 ug

## Specification

<b>Product Description</b>	Human ANPEP full-length ORF (NP_001141.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
<b>Sequence</b>	MAKGFYISKSLGILGILLGVAAVCTIIALSVVYSQEKNKNANSSPVASTTPSASATTNPASATLQSKAWNRYRLPNTLKPD SYQVTLPYLT PNDRGLYVF KGSSTVRFTCKEATDVIIHSKKLN YTLSQGH RVVLRGVGGSQPPDIDKTELVEPT EYL VVHLKGSLVKDSQYEMDSEFE GELADDLAGFYRSEYM EGNVRKV VATTQM QAADARKSFPCFDEPAMKA EFNITL IHPKDLTALS NMLPKGPSTPLP ED PN WNVTEFH TPKM STYLLAFIVSEFDYVEKQASNGVLIRIWARPSAIAAGHGDYALNVTGPILNFFAG HYDTPYPLPKSDQIGLPDFNAGAMENWGLVTYRENSLLFDPLSSSSNKERVVTIAHELAHQWF GNLVTIEWWNDLWLNEGFASYVEYLGADYAEP TWNLKDLMV LNDVYRVMAVDALASSHPLSTPA SEINTPAQISELFDAISYSKGASVRLMLSSFLSEDVFQQLASYLHTFAYQNTIYNLWDHLQEAVN NRSQLPTTVRDIMNRWTLQM GFPVITVDTSTGTLSQEHFL DPD SNVTRPSEFNYWV PITS RD RQQQDYWLIDVRAQNDLFSTSGNEWVLLNLNVTGYYRVNYDEENWRKIQTQLQRDHSAIPVINRA QIINDAFNLASAHKVPVTLALNNTLFLIEERQYMPWEAALSSLSYFKLMFDRSEVYGP MKNYLKKQ VTPLFIHFRNNTNNWREIPENLMDQYSEVNAISTACSGN VPECEEMVSGLFKQWMENPNNNPIH NLRSTVYCNAIAQGGEEEWDFAWEQFRNATLVNEADKLRAALACS KELWI LNRYLSYTLNPDLIRK QDATSTIISITNNVIGQGLVWDFVQSNWKKLFNDYGGGSFSFSNLIQAVTRRFSTEYELQQLEQFKK DNEETGFGSGTRALEQALEKTKANIKWVKENKEVVLQWFTEN SK
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	109.5
<b>Interspecies Antigen Sequence</b>	Mouse (76); Rat (78)
<b>Form</b>	Liquid
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system with proprietary liposome technology</a>
<b>Purification</b>	None
<b>Recommend Usage</b>	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
<b>Storage Buffer</b>	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Note**

Best use within three months from the date of receipt of this protein.

## Applications

- Antibody Production

## Gene Info — ANPEP

Entrez GeneID	<a href="#">290</a>
GeneBank Accession#	<a href="#">NM_001150.1</a>
Protein Accession#	<a href="#">NP_001141.1</a>
Gene Name	ANPEP
Gene Alias	APN, CD13, LAP1, PEPN, gp150, p150
Gene Description	alanyl (membrane) aminopeptidase
Omim ID	<a href="#">151530</a>
Gene Ontology	<a href="#">Hyperlink</a>
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 carboxyl terminal 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](#)