

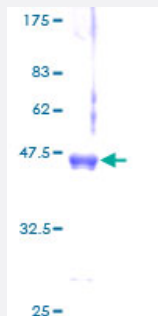
Full-Length

APLN (Human) Recombinant Protein (P01)

Catalog # H00008862-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human AAPLN full-length ORF (AAH21104.1, 1 a.a. ~ 122 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MSATWCSPGQGMGQGPGRVGGNSAASGPASPIRDPCLSEAGLKGPPSAHPRRLCLLHRLV CFSGGLTSIQLSPRTCCSHQWAQLFSPACFPQWRAPGCSLDDSRSLTRIRPVHLPGPSLD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	39.16
Interspecies Antigen Sequence	Mouse (83); Rat (81)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	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

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — APLN

Entrez GeneID	8862
GeneBank Accession#	BC021104.1
Protein Accession#	AAH21104.1
Gene Name	APLN
Gene Alias	XNPEP2
Gene Description	apelin
Omim ID	300297
Gene Ontology	Hyperlink
Gene Summary	Apelin is a neuropeptide expressed in the supraoptic and paraventricular nuclei that acts on specific receptors located on vasopressinergic neurons (De Mota et al., 2004) [PubMed 15231996]. [supplied by OMIM]
Other Designations	apelin, AGTRL1 ligand peptide ligand for APJ receptor

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Cardiomyopathy](#)
- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Edema](#)
- [Hypertension](#)