

Proteoliposomes

Full-Length

APLNR (Human) Recombinant Protein

Catalog # H00000187-G01

Size 10 ug

Specification

Product Description	Human APLNR full-length ORF (ABM81770.1) recombinant protein without tag. This product is belong to Proteoliposome (PL).
Sequence	MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAYMLVFLGTTGNGLVLWTVFRSSREKRRSA DIFIASLAVADLTFVVTLPWATYTYRDYDWPFGTFFCKLSSYLIFVNMYSVFCLTGLSFDRYLAM RPVANARLRLRVSGAVATAVLWVLAALLAMPVMVLRTTGDLENTTKVQCYMDYSMVATVSSEW AWEVGLGVSSTTVGFPVFTIMLTCTYFFIAQTIAGHFRKERIEGLRKRRLLSIIVLVVTFALCWMP YHLVKTLYMLGSLHWP CDFDLFLMNIFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQS RCAGTSHSSSGEKSASYSSGHSQGP GPNMGKGGEQMHEKSIPYSQETLVVD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	41.8
Interspecies Antigen Sequence	Mouse (92); Rat (90)
Form	Liquid
Preparation Method	in vitro wheat germ expression system with proprietary liposome technology
Purification	None
Recommend Usage	Heating may cause protein aggregation. Please do not heat this product before electrophoresis.
Storage Buffer	25 mM Tris-HCl of pH8.0 containing 2% glycerol.
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

- Antibody Production

Gene Info — APLNR

Entrez GeneID [187](#)

GeneBank Accession# [DQ890844.2](#)

Protein Accession# [ABM81770.1](#)

Gene Name APLNR

Gene Alias AGTRL1, APJ, APJR, FLJ90771, MGC45246

Gene Description apelin receptor

Omim ID [600052](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of the G protein-coupled receptor gene family. The encoded protein is related to the angiotensin receptor, but is actually an apelin receptor that inhibits adenylate cyclase activity and plays a counter-regulatory role against the pressure action of angiotensin II by exerting hypertensive effect. It functions in the cardiovascular and central nervous systems, in glucose metabolism, in embryonic and tumor angiogenesis and as a human immunodeficiency virus (HIV-1) coreceptor. Two transcript variants resulting from alternative splicing have been identified. [provided by RefSeq]

Other Designations APJ (apelin) receptor|angiotensin II receptor-like 1|angiotensin receptor-like 1

Pathway

- [Neuroactive ligand-receptor interaction](#)

Disease

- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Cardiomyopathy](#)
- [Coronary Artery Disease](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)

- [Hypertension](#)
- [Stroke](#)