

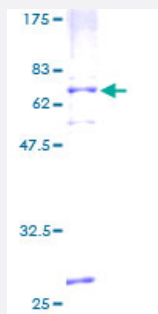
Full-Length

AGTRL1 (Human) Recombinant Protein (P01)

Catalog # H00000187-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AGTRL1 full-length ORF (AAH32688, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAMMLVFLGTTGNGLVLWTVFRSSREKRRSA
DIFIASLAVADLTFVVTLPWATYTYRDYDWPFGTFFCKLSSYLIFVNMYSVFCLTGLSFDRYLAM
RPVANARLRLRVSGAVATAVLWVLAALLAMPVMVLRTTGDLENTTKVQC YMDYSMVATVSSEW
AWEVGLGVSSSTTVGFVVPFTIMLT CYFFIAQTIAGHFRKERIEGLRKRRLLSIIVLVVTFALCWMP
YHLVKTLYMLGSLHWP CDFDLFLMNIFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQS
RCAGTSHSSSGEKSASYS SGHSQGP GPNMGKGGEQMHEKSIPYSQETLVVD

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

67.54

Interspecies Antigen Sequence

Mouse (92); Rat (90)

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 — APLNR

Entrez GeneID[187](#)**GeneBank Accession#**[BC032688](#)**Protein Accession#**[AAH32688](#)**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](#)