

Recombinant Human APLNR Protein, GST-tagged

Cat. No. APLNR-449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AGTRL1 full-length ORF (AAH32688, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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, Jul 2009]
Molecular Mass	67.54 kDa
AA Sequence	MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVLWTVFRS SREKRRSADIFIASLAVADLTFVVTLPPLWATYTYRDYDWPFGTFFCKLSSYLIFVNM ASVFCLTGLSFDRLAIVRPVANARLRRLVSGAVATAVLWVLAALLAMPVMVLRTTG DLENTTKVQCYMDYSMVATVSSEWAWEVGLGVSSSTTVGFVVPFTIMLTCTYFFIAQTI AGHFRKERIEGLRKRRRLLSIIVVLVVTFALCWMPYHLVKTLYMLGSLHWP CDFDLF LMNIFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEK

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	SASYSSGHSQGPGPNMGKGGEQMHEKSIPYSQETLVVD
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	APLNR apelin receptor [Homo sapiens]
Official Symbol	APLNR
Synonyms	APLNR; apelin receptor; AGTRL1, angiotensin II receptor like 1; APJ; APJ (apelin) receptor; APJR; FLJ90771; APJ receptor; HG11 orphan receptor; angiotensin receptor-like 1; G protein-coupled receptor APJ; G-protein coupled receptor APJ; angiotensin II receptor-like 1; G-protein coupled receptor HG11; HG11; AGTRL1; FLJ96609; MGC45246;
Gene ID	187
mRNA Refseq	NM_005161
Protein Refseq	NP_005152

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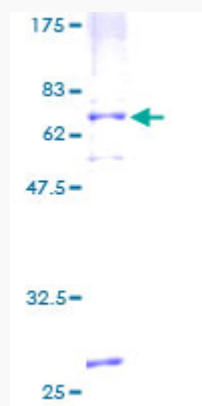
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MIM 600052

UniProt ID P35414

**Quality Control
Testing:**



12.5% SDS-PAGE Stained with Coomassie Blue.

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