

# Recombinant Full Length Human APLNR Protein, GST-tagged

Cat. No. APLNR-1010HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human AGTRL1 full-length ORF ( AAH32688, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	380 amino acids
<b>Description</b>	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]
<b>Molecular Mass</b>	67.54 kDa
<b>AA Sequence</b>	MEEGGDFDNY YGADNQSECE YTDWKSSGAL IPAIYMLVFL LGTTGNGLVL WTVFRSSREK RRSADIFIAS LAVADLTFVV TLPLWATYTY RDYDWPFPGTF FCKLSSYLIF VNMYASVFCL TGLSFDRYLA IVRPVANARL RLRVSGAVAT AVLWVLAALL AMPVMVLRRT GDLENTTKVQ CYMDYSMVAT VSSEWAVEVG LGVSSTTVGF VVPFTIMLTC YFFIAQTIAG HFRKERIEGL RKRRRLLSII

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VVLVVTFALC WMPYHLVKTL YMLGSLHWP CDFDLFLMNI FPYCTCISYV  
 NSCLNPFLYA FFDPRFRQAC TSMLCCGQSR CAGTSHSSSG EKSASYSSGH  
 SQGPGPNMGK GGEQMHEKSI PYSQETLVVD

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

**Storage** Store at -80 centigrade. 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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<b>MIM</b>	600052
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<b>UniProt ID</b>	P35414
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