

Recombinant Full Length Human APLNR Protein

Cat. No. APLNR-1015HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APLNR full-length ORF (ABM81770.1) recombinant protein without tag.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	380 amino acids
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]
Form	Liquid
Molecular Mass	41.8 kDa
AA Sequence	MEEGGDFDNY YGADNQSECE YTDWKSSGAL IPAIYMLVFL LGTTGNGLVL WTVFRSSREK RRSADIFIAS LAVADLTFVV TLPLWATYTY RDYDWPFGTF FCKLSSYLIF VNMYASVFCL TGLSFDRYLA IVRPVANARL RLRVSGAVAT AVLWVLAALL AMPVMVLRTT GDLENTTKVQ CYMDYSMVAT VSSEWAVEVG

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LGVSSTTVGF VVPFTIMLTC YFFIAQTIAG HFRKERIEGL RKRRRLLSII
 VVLVVTFALC WMPYHLVKTL YMLGSLHWP CDFDLFLMNI FPYCTCISYV
 NSCLNPFLYA FFDPRFRQAC TSMGCCGQSR CAGTSHSSSG EKSASYSSGH
 SQGPGPNMGK GGEQMHEKSI PYSQETLVVD

Applications Antibody Production; Functional Study; Compound Screening

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 25 mM Tris-HCl of pH8.0 containing 2% glycerol.

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](#)

MIM [600052](#)

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