

Recombinant Human APLNR protein

Cat. No. APLNR-686H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human APLNR full-length ORF (ABM81770.1) recombinant protein without tag.
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]
Form	Liquid
Molecular Mass	41.8 kDa
AA Sequence	MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVLWTVFRS SREKRRSADIFIASLAVADLTFVVTLPPLWATYTYRDYDWPFGTFFCKLSSYLIFVNMY ASVFCLTGLSFDRLAIVRPVANARLRLRVSGAVATAVLWVLAALLAMPVMVLRRTTG DLENTTKVQCXYMDYSMVATVSSEWAWEVGLGVSSTTVGFVVPFTIMLTICYFFIAQTI AGHFRKERIEGLRKRRRLLSIIVVLVVTFALCWMPYHLVKTLYMLGSLLHWPCDFDLF LMNIFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEK

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SASYSSGHSQGPGPNMGKGGEQMHEKSIPYSQETLVVD

Applications Antibody Production; Functional Study; Compound Screening

Usage Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Notes Best use within three months from the date of receipt of this protein.

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](#)

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MIM	600052
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UniProt ID	P35414
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