

Recombinant Human APLNR Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. APLNR-6124H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	APLNR MS Standard C13 and N15-labeled recombinant protein (NP_005152) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	42.7 kDa
AA Sequence	MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVLWTVFRS SREKRRSADIFIASLAVADLTFVVTLPWATYTYRDYDWPFGTFFCKLSSYLIFVNM ASVFCLTGLSFDRLAIVRPVANARLRLRVSGAVATAVLWVLAALLAMPVMVLRRTTG DLENTTKVQCYMDYSMVATVSSEWAWEVGLGVSTTVGFVVPFTIMLTCTYFFIAQTI AGHFRKERIEGLRKRRRLLSIIVVLVVTFALCWMPYHLVKTLYMLGSLHWP CDFDLF

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LMNIFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEK
SASYSSGHSQGP GPNMGKGGEQMHEKSIPYSQETLVVDTRTRPLEQKLISEEDLAA
NDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [APLNR apelin receptor \[Homo sapiens \(human\) \]](#)

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](#)

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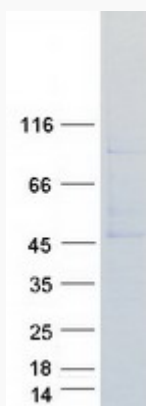
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Protein Refseq NP_005152

MIM 600052

UniProt ID P35414

SDS-PAGE



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