

Recombinant Full Length Human APLNR Protein, C-Flag-tagged

Cat. No. APLNR-596HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human APLNR Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	42.5 kDa
AA Sequence	MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVLWTVFRS SREKRRSADIFIAS LAVADLTFVVTLPWATYTYRDYDWPFGTFFCKLSSYLIFVNMV ASVFCLTGLSFDRLAIVRPVANARL RLRVSGAVATAVLWVLAALLAMPVMVLRTTG DLENTTKVQC YMDYSMVATVSSEWAWEVGLGVSSTTVGF VVPFTIMLTCYFFIAQTI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

AGHFRKERIEGLRKRRRLLSIIVVLVVTFALCWMPYHLVKTLYMLGSLLHWP CDFDL
FLMNIFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEK
SASYSSGH
SQGPGPNMGKGGEQMHEKSIPYSQETLVVDTRTRPLEQKLISEEDLAANDILDYKD
DDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, GPCR, Transmembrane
Protein Pathways	Neuroactive ligand-receptor interaction
Full Length	Full L.

GENE INFORMATION

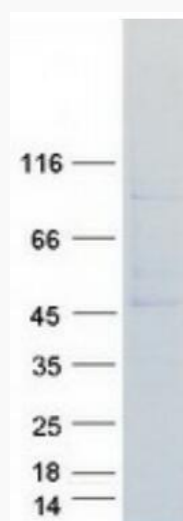
Gene Name	APLNR apelin receptor [Homo sapiens (human)]
Official Symbol	APLNR
Synonyms	APJ; APJR; HG11; AGTRL1

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID	187
mRNA Refseq	NM_005161.6
Protein Refseq	NP_005152.1
MIM	600052
UniProt ID	P35414



Coomassie blue staining of purified APLNR protein.