

Product datasheet for **TP307576**

APJ Receptor (APLNR) (NM_005161) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human apelin receptor (APLNR), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC207576 protein sequence
Red=Cloning site **Green**=Tags(s)

MEEGGDFDNYYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVLWTVFRSSREKRRSADIFIAS
LAVADLTFVVTLPWATYTYRDYDWPFGTFFCKLSSYLIFVNMYSVFCLTGLSFDRYLAIVRPVANARL
RLRVSGAVATAVLWVLAALLAMPVMVLRTTGDLNNTKVQCYMDYSMVATVSSEWAVEVGLGVSSTTVGF
VVPFTIMLTCTYFFIAQTIAGHFRKERIEGLRKRRLLSIIVVLVTFALCWMPYHLVKTLYMLGSLHWP
CDFDLFLMNIFPYCTCISYVNSCLNPFYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEKSASYSSGH
SQGPGPNMGKGGEQMHEKSIPYSQETLVVD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 42.5 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

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

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

RefSeq: [NP_005152](#)

Locus ID: 187



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UniProt ID: [P35414](#), [B3KQN4](#), [B2RDH3](#)

RefSeq Size: 3905

Cytogenetics: 11q12.1

RefSeq ORF: 1140

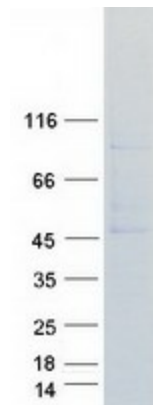
Synonyms: AGTRL1; APJ; APJR; HG11

Summary: 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]

Protein Families: Druggable Genome, GPCR, Transmembrane

Protein Pathways: Neuroactive ligand-receptor interaction

Product images:



Coomassie blue staining of purified APLNR protein (Cat# TP307576). The protein was produced from HEK293T cells transfected with APLNR cDNA clone (Cat# [RC207576]) using MegaTran 2.0 (Cat# [TT210002]).