

Product datasheet for PH307576

APJ Receptor (APLNR) (NM_005161) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	APLNR MS Standard C13 and N15-labeled recombinant protein (NP_005152)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207576
Predicted MW:	42.7 kDa
Protein Sequence:	>RC207576 protein sequence Red=Cloning site Green=Tags(s)
	MEEGGDFDNYGADNQSECEYTDWKSSGALIPAIYMLVFLGTTGNGLVLTWVFRSSREKRRSADIFIAS LAVADLTFVVTLPWATYTYRDYDWPFGTFFCKLSSYLIFVNMYSVFCLTGLSFDRYLAIVRPVANARL RLRVSGAVATAVLWVLAALLAMPVMLRTTGDLNNTKVQCYMDYSMVATVSSEWAVEVGLGVSSTTVGF VVPFTIMLTCYFFIAQTIAGHFRKERIEGLRKRRLLSIIIVLVVTFALCWMPYHLVKTLYMLGSLHWP CDFDLFLMNIFFPYCTCISYVNSCLNPFLYAFFDPRFRQACTSMLCCGQSRCAGTSHSSSGEKSASYSSGH SQGPGPNMGKGGQMHEKSIPIYSQETLVVD
	TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005152
RefSeq Size:	3905
RefSeq ORF:	1140
Synonyms:	AGTRL1; APJ; APJR; HG11
Locus ID:	187



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

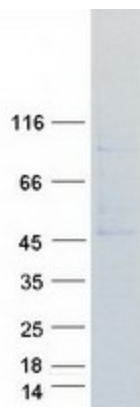
Cytogenetics: 11q12.1

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]).