

Recombinant Human APLNR Protein (M1-R330), Flag, His tagged

Cat. No. APLNR-0967H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Flag-BRIL-3C-APJ(M1-R330) (T177N, C325L, C326M)-10His Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	M1-R330
Description	Receptor for apelin receptor early endogenous ligand (APELA) and apelin (APLN) hormones coupled to G proteins that inhibit adenylate cyclase activity. Plays a key role in early development such as gastrulation, blood vessels formation and heart morphogenesis by acting as a receptor for APELA hormone. May promote angioblast migration toward the embryonic midline, i.e. the position of the future vessel formation, during vasculogenesis. Promotes sinus venosus (SV)-derived endothelial cells migration into the developing heart to promote coronary blood vessel development. Plays also a role in various processes in adults such as regulation of blood vessel formation, blood pressure, heart contractility and heart failure.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	85%

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Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	25 mM HEPES pH 7.5, 500 mM NaCl, 5% glycerol, 0.01% (w/v) DDM, 0.002% (w/v) CHS
Shipping	It is shipped out with blue ice.

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
Protein Refseq	NP_005152
MIM	600052

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