

**HDFP868**

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## Product Information

<b>Product SKU:</b>	HDFP868	<b>Expression Host:</b>	HEK293	<b>Size:</b>	10µg
<b>Target:</b>	APLNR	<b>Tag:</b>	C-Flag&Strep Tag		

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## Additional Information

<b>Conjugate:</b>	Unconjugated	<b>Uniprot ID:</b>	P35414
<b>Molecular Weight:</b>	The human full length APLNR-Strep protein has a MW of 42.7 kDa		

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## Protein Information

**Background:** 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.

**Synonyms:** AGTRL1; APJ; APJR; HG11

**Protein Description:** Human APLNR-Strep full length protein-synthetic nanodisc

**Formulation:** Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Do not use solvents with a pH below 6.5 or those containing high concentrations of divalent metal ions (greater than 5 mM) in subsequent experiments.

**Protein Pathways:** Neuroactive ligand-receptor interaction.

**Protein Families:** Druggable Genome, GPCR, Transmembrane.

**Usage:** Research use only

**Storage & Shipping:** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

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