

Recombinant Full Length Human APLN Protein, GST-tagged

Cat. No. APLN-1070HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human AAPLN full-length ORF (AAH21104.1, 1 a.a. ~ 122 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	122 amino acids
Description	This gene encodes a peptide that functions as an endogenous ligand for the G-protein coupled apelin receptor. The encoded preproprotein is proteolytically processed into biologically active C-terminal peptide fragments. These peptide fragments activate different tissue specific signaling pathways that regulate diverse biological functions including fluid homeostasis, cardiovascular function and insulin secretion. This protein also functions as a coreceptor for the human immunodeficiency virus 1. [provided by RefSeq, Feb 2016]
Molecular Mass	39.16 kDa
AA Sequence	MSATWCSPEG QGMGQGPGRE VGGNSAASGP ASPIRDPCLS EAGLKGPPSA HPRRLCLLHR LVCFSGGLTS IQLSPRTCCS HQWAQLFSPA CFPQWRAPGC SLDDSRSLTR IRPVHLPGPS LD
Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
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Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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GENE INFORMATION

Gene Name	APLN apelin [Homo sapiens]
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Official Symbol	APLN
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Synonyms	APLN; apelin; APEL; XNPEP2; AGTRL1 ligand; APJ endogenous ligand; apelin
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Gene ID	8862
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mRNA Refseq	NM_017413
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Protein Refseq	NP_059109
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MIM	300297
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UniProt ID	Q9ULZ1
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