

Recombinant Human RAMP1 Protein, His&Avi tagged, Biotinylated

Cat. No. RAMP1-3965H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated recombinant Human RAMP1 Protein (27-116 aa) with His&Avi tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	27-116 aa
Conjugation/Label	Biotin
Description	The protein encoded by this gene is a member of the RAMP family of single-transmembrane-domain proteins, called receptor (calcitonin) activity modifying proteins (RAMPs). RAMPs are type I transmembrane proteins with an extracellular N terminus and a cytoplasmic C terminus. RAMPs are required to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR, a receptor with seven transmembrane domains, can function as either a calcitonin-gene-related peptide (CGRP) receptor or an adrenomedullin receptor, depending on which members of the RAMP family are expressed. In the presence of this (RAMP1) protein, CRLR functions as a CGRP receptor. The RAMP1 protein is involved in the terminal glycosylation, maturation, and presentation of the CGRP receptor to the cell surface. Alternative splicing results in multiple transcript variants encoding different isoforms.
Molecular Mass	14 kDa

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AASequence	CQEANYGALLRELCLTQFQVDMEAVGETLWCDWGRTIRSYRELADCTWHMAEKLGC CFWPNAEVD RFFLA VHGRYFRSCPI SGRAVRDPPGGGGSGGGSHHHHHHHHGLN DIFEAQKIEWHE
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
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.
Concentration	0.24 mg/mL by BCA
Storage Buffer	Sterile PBS, pH7.4, 0.1% SKL, 8% Trehalose, 5% Glycerol
Labeling Efficiency	1.1 by HABA

GENE INFORMATION

Gene Name	RAMP1 receptor (G protein-coupled) activity modifying protein 1 [Homo sapiens (human)]
Official Symbol	RAMP1
Synonyms	RAMP1; receptor (G protein-coupled) activity modifying protein 1; receptor (calcitonin) activity modifying protein 1 , receptor activity modifying protein 1; receptor activity-modifying protein 1; CRLR activity-modifying protein 1; receptor activity modifying protein 1; receptor (calcitonin) activity modifying protein 1; calcitonin receptor-like receptor activity modifying protein 1; calcitonin-receptor-like receptor activity-modifying protein 1

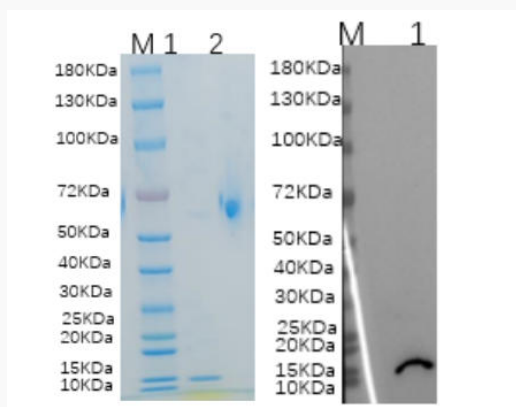
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Gene ID	10267
mRNA Refseq	NM_005855
Protein Refseq	NP_005846
MIM	605153
UniProt ID	O60894

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified RAMP1. 1. RAMP1: 1 µg 2. BSA: 1 µg

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