

Recombinant Human RAMP3, His-tagged

Cat. No. RAMP3-7526H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human RAMP3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Species	Human
Source	E.coli
ProteinLength	24-118aa
Antigen Description	RAMP3, also known as receptor activity modifying protein 3, is a member of the RAMP family of single-transmembrane-domain proteins, called receptor (calcitonin) activity modifying proteins (RAMPs). It is required to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR 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 (RAMP3) protein, CRLR functions as an adrenomedullin receptor.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl
Molecular Mass	13.0 kDa(116aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SGLVPRGSH MRAGGCNETG MLERLPLCGK AFADMMGKVD VWKWCNLSEF IVYYESFTNC TЕМEАНVVGC YWPNPLAQGF ITGIHRQFFS NCTVDRVHLE DPPDEV

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Purity	>90% as determined by SDS - PAGE
Applications	SDS-PAGE
Storage	Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
Concentration	0.5 mg/ml
GENE INFORMATION	
Gene Name	RAMP3 receptor (G protein-coupled) activity modifying protein 3 [Homo sapiens]
Official Symbol	RAMP3
Synonyms	RAMP3; receptor (G protein-coupled) activity modifying protein 3; receptor (calcitonin) activity modifying protein 3 , receptor activity modifying protein 3; receptor activity-modifying protein 3; CRLR activity-modifying protein 3; receptor activity modifying protein 3; receptor-activity-modifying protein 3; receptor (calcitonin) activity modifying protein 3; calcitonin receptor-like receptor activity modifying protein 3; calcitonin-receptor-like receptor activity-modifying protein 3;
Gene ID	10268
mRNA Refseq	NM_005856
Protein Refseq	NP_005847
MIM	605155
UniProt ID	O60896

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Chromosome Location	7p13-p12
Pathway	Calcitonin-like ligand receptors, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; GPCR ligand binding, organism-specific biosystem; Myometrial Relaxation and Contraction Pathways, organism-specific biosystem; Signal Transduction, organism-specific biosystem;
Function	coreceptor activity; protein binding; protein transporter activity; receptor activity;

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