

Recombinant Human RAMP2 Protein, His&GST-tagged

Cat. No. RAMP2-2010H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human RAMP2 Protein (Gln43-Val145) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln43-Val145
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 (RAMP2) protein, CRLR functions as an adrenomedullin receptor. The RAMP2 protein is involved in core glycosylation and transportation of adrenomedullin receptor to the cell surface.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41.8 kDa Accurate Molecular Mass: 43 kDa

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Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	100mM NaHCO ₃ , 500mM NaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 100mM NaHCO ₃ , 500mM NaCl (pH8.3) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	RAMP2 receptor (G protein-coupled) activity modifying protein 2 [Homo sapiens (human)]
Official Symbol	RAMP2
Synonyms	RAMP2; receptor (G protein-coupled) activity modifying protein 2; receptor (calcitonin) activity modifying protein 2, receptor activity modifying protein 2; receptor activity-modifying protein 2; CRLR activity-modifying protein 2; receptor activity modifying protein 2; receptor-activity-modifying protein 2; receptor (calcitonin) activity modifying protein 2; calcitonin receptor-like receptor activity modifying protein 2; calcitonin-receptor-like receptor activity-modifying protein 2;

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Gene ID	10266
mRNA Refseq	NM_005854
Protein Refseq	NP_005845
MIM	605154
UniProt ID	O60895

