

PRODUCT INFORMATION

RAMP1 **Target Synonyms** RAMP1

Recombinant human RAMP1 Protein with C-Description

terminal mouse Fc tag

Delivery In Stock **Uniprot ID** 060894 **Expression Host HEK293**

Tag C-mouse Fc tag

Molecular Characterization

Background

RAMP1(Cys27-Ser117) mFc(Pro99-Lys330)

The protein has a predicted molecular mass of **Molecular Weight**

36.7 kDa after removal of the signal peptide. The apparent molecular mass of RAMP1-mFc is approximately 35-55 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Formulation & Reconstitution

for specific instructions.

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 Storage & Shipping

at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

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 involved in the terminal diversities meturation and terminal glycosylation, maturation, and presentation of the CGRP receptor to the cell surface. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015]

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Usage Research use only Conjugate Unconjugated



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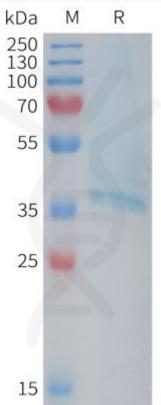


Figure 1. Human RAMP1 Protein, mFc Tag on SDS-PAGE under reducing condition.



