PRODUCT INFORMATION

Target	RAMP1
Synonyms	RAMP1
Description	Recombinant human RAMP1 Protein with C-terminal mouse Fc tag
Delivery	In Stock
Uniprot ID	O60894
Expression Host	HEK293
Tag	C-mouse Fc tag
Molecular Characterization	RAMP1(Cys27-Ser117) mFc(Pro99-Lys330)
Molecular Weight	The protein has a predicted molecular mass of 36.7 kDa after removal of the signal peptide. The apparent molecular mass of RAMP1-mFc is approximately 35-55 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions.
Storage&Shipping	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 at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	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. [provided by RefSeq, Apr 2015]
Usage	Research use only
Conjugate	Unconjugated

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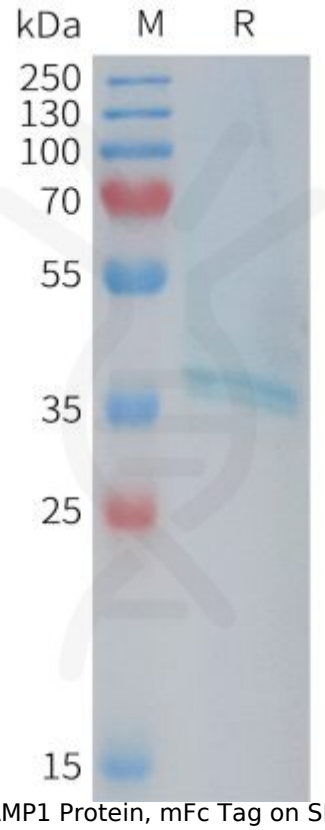


Figure 1. Human RAMP1 Protein, mFc Tag on SDS-PAGE under reducing condition.

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