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Datasheet for ABIN7538505

RAMP1 Protein (AA 27-117) (mFc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	RAMP1
Protein Characteristics:	AA 27-117
Origin:	Human
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAMP1 protein is labelled with mFc Tag.

Product Details

Purpose:	Recombinant human RAMP1 Protein with C-terminal mouse Fc tag
Specificity:	RAMP1 (Cys27-Ser117) mFc (Pro99-Lys330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	RAMP1
Alternative Name:	RAMP1 (RAMP1 Products)
Background:	The protein encoded by this gene is a member of the RAMP family of single-transmembrane-

Target Details

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]

Molecular Weight: predicted molecular mass of 36.7 kDa after removal of the signal peptide. The apparent molecular mass of RAMP1-mFc is 35-55 kDa due to glycosylation.

UniProt: [O60894](#)

Pathways: [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

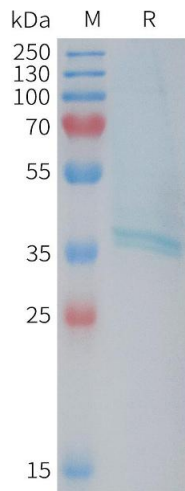
Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: 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.

Expiry Date: 12 months



SDS-PAGE

Image 1. Human R Protein, mFc Tag on SDS-PAGE under reducing condition.