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Datasheet for ABIN5853491

## RAMP1 Protein (AA 27-117) (His tag)

### 1 Image

#### Overview

Quantity:	50 µg
Target:	RAMP1
Protein Characteristics:	AA 27-117
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAMP1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Sequence:	MGSSHHHHHH SSSLVPRGSH MGSCQEANYG ALLRELCLTQ FQVDMEAVGE TLWCDWGRTI RSYRELADCT WHMAEKLKGF WPNAEVDLRF LAVHGRYFRS CPISGRAVRD PPGS
Purity:	> 80 % by SDS - PAGE

#### Target Details

Target:	RAMP1
Alternative Name:	RAMP1 ( <a href="#">RAMP1 Products</a> )
Background:	RAMP 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

## Target Details

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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. Recombinant human RAMP1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Molecular Weight: 12.9 kDa (114aa)

NCBI Accession: [NP\\_005846](#)

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

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Application Notes: Optimal working dilution should be determined by the investigator.

Comment: Denatured

Restrictions: For Research Use only

## Handling

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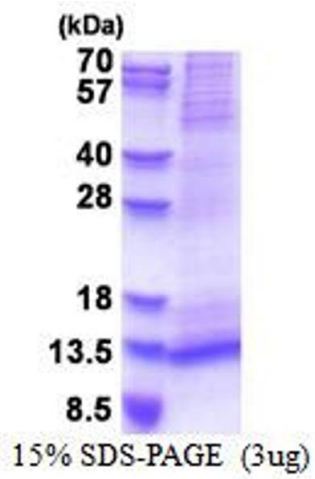
Format: Liquid

Concentration: 0.25 mg/mL

Buffer: Liquid. In 20 mM Tris-HCl buffer ( pH 8.0) containing 0.4M urea, 10 % glycerol

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



**SDS-PAGE**

Image 1.