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Product Information

MemDX™ Membrane Protein Human RAMP1 (Receptor activity modifying protein 1) Full Length

Cat. No.: **MPC1063K**
This product is for research use only and is not intended for diagnostic use.

This product is a 16.9 kDa Human RAMP1 membrane protein expressed in Baculovirus/Insect expression system. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species
Human

Target Protein
RAMP1

Protein Length
Full length

Protein Class
Transporter

Molecular Weight
16.9 kDa

TMD
1

Sequence
MARALCRLPRRGLWLLLAHHLFMTTACQEANYGALLRELCLTQFQVDMEA
VGETLWCDWGRTIRSYRELADCTWHMAEKLGCFWPNAEVDRFFLAVHGRY
FRSCPISGRAVRDPPGSILYPFIVVPITVTLLVTALVVWQSKRTEGIV

Product Description

Expression Systems
Baculovirus/Insect expression system

Tag
Based on specific requirements

Protein Format
Detergent or based on specific requirements

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

RAMP1

Full Name

Receptor activity modifying protein 1

Introduction

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.

Alternative Names

RAMP1; CRLR activity-modifying protein 1; calcitonin receptor-like receptor activity modifying protein 1; receptor (G protein-coupled) activity modifying protein 1; receptor (calcitonin) activity modifying protein 1; receptor activity-modifying protein 1; Receptor activity modifying protein 1

Gene ID

10267

UniProt ID

O60894

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