9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

RAMP1 Human

Receptor Activity-Modifying Protein 1 Human Recombinant
RCP1801

Product Overview

Name	RAMP1 Human

Description

Receptor Activity-Modifying Protein 1 Human Recombinant

Accession (Primary)	O60894

Synonyms

Receptor (G Protein-Coupled) Activity Modifying Protein 1, Receptor (Calcitonin) Activity Modifying Protein 1, Calcitonin-Receptor-Like Receptor Activity-Modifying Protein 1, CRLR Activity-Modifying Protein 1.

Introduction

RAMP belongs to the type I transmembrane family of proteins called RAMP (receptor/calcitonin activity modifying proteins) which include an extracellular N terminus and a cytoplasmic C terminus. RAMPs are essential for CRLR transport to the plasma membrane. CRLR (calcitonin-receptor-like receptor) has seven transmembrane domains. Depending on which members of the RAMP family are expressed CRLR receptor functions as either an adrenomedullin receptor or a calcitonin-gene-related peptide (CGRP) receptor. In the presence of RAMP1, CRLR functions as a CGRP receptor. The RAMP1 protein takes part in the terminal glycosylation, maturation, and presentation of the CGRP receptor to the cell surface.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

The RAMP1 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 80% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS CQEANYG ALLRELCLTQ FQVDMEAVGE TLWCDWGRTI RSYRELADCT

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WHMAEKLGCF WPNAEVDRFF LAVHGRYFRS CPISGRAVRD PPGS

Precautions

RAMP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O60894)