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Datasheet for ABIN7317204

RAMP3 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	RAMP3
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This RAMP3 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human RAMP3 Protein (Fc Tag)
Sequence:	Met 1-Val118
Characteristics:	A DNA sequence encoding the human RAMP3 (Met1-Val118) was expressed with the Fc region of human IgG1 at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	RAMP3
Alternative Name:	RAMP3 (RAMP3 Products)
Background:	Background: RAMP3 belongs to the RAMP family. Members of this family are single-transmembrane-domain proteins, called receptor (calcitonin) activity modifying proteins (RAMPs). RAMPs have a wide biological distribution, high concentrations are found in the brain,

Target Details

lung, liver, heart and spleen with lower expression levels present in the testes, gastrointestinal tract and thyroid. RAMPs are type I transmembrane proteins with an extracellular N terminus and a cytoplasmic C terminus. They 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 RAMP3 protein, CRLR functions as an adrenomedullin receptor.

Synonym: RAMP3

Molecular Weight: 37.8 kDa

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

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.