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## Product Data Sheet

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Product Name: RAMP3 Human  
 Cat. No.: GP24328  
 Batch No.: 1

### Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Receptor (calcitonin) activity modifying protein 3; Calcitonin-receptor-like receptor activity-modifying protein 3; CRLR activity-modifying protein 3; RAMP3.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MRAGGCNETG MLERLPLCGK AFADMMGKVD VWKWCNLSEF IVYYESFTNC TEMEANVVGC YWPNPLAQGF ITGIHRQFFS NCTVDRVHLE DPPDEV.		
Formulation	RAMP3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.		

### Introduction

Receptor activity modifying protein 3 (RAMP3) belongs to the RAMP family of single-transmembrane-domain proteins, named receptor (calcitonin) activity modifying proteins (RAMPs). RAMP3 is needed to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR acts as either a calcitonin gene-related peptide (CGRP) receptor or an adrenomedullin receptor, depending on which members of the RAMP family are expressed. The existence of RAMP3 effects CRLR to function as an adrenomedullin receptor.

### 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.

### Background

RAMP3 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 116 amino acids (24-118 a.a) and having a molecular mass of 13kDa.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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RAMP3 is fused to a 21 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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