

RAMP3 Human

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

Catalog #:PRPS-1374

For research use only.

Synonyms:Receptor (calcitonin) activity modifying protein 3, Calcitonin-receptor-like receptor activity-modifying protein 3, CRLR activity-modifying protein 3, RAMP3.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MRAGGCNETG MLERLPLCGK
AFADMMGKVD VWKWCNLSEF IVYYESFTNC TEMEANVVC YWPNPLAQGF ITGIHRQFFS
NCTVDRVHLE DPPDEV.

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

RAMP3 protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 10% glycerol and 0.1M NaCl.

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

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.

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