

RAMP3, 24-118aa, Human, His tag, E.coli

Cat.NO.: TP03668

3th Edition

Synonyms: Receptor activity modifying protein 3, Receptor (calcitonin) activity modifying protein 3

Description: RAMP3, also known as receptor activity modifying protein 3, is a member of the RAMP family of single-transmembrane-domain proteins, called receptor (calcitonin) activity modifying proteins (RAMPs). It is required to transport calcitonin-receptor-like receptor (CRLR) to the plasma membrane. CRLR 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 (RAMP3) protein, CRLR functions as an adrenomedullin receptor. Recombinant human RAMP3 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol 0.1M NaCl

Molecular Weight: 13.0 kDa(116aa) confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMRAGGCNETGMLERLPLCGKAFADMMGKVDVWKWCNLSEFIVYYESFTNCTEM
EANVVGCYWPNPLAQGFITGIHRQFFSNCTVDRVHLEDPPDEV

Purity: > 95% by HPLC

Concentration: 0.5 mg/ml (determined by Bradford assay)

Endotoxin Level: <1.0 EU per 1 ug of protein (determined by LAL method)

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.