

Product information



RAMP3, 24-118aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1970

Full name: Receptor activity modifying protein 3

NCBI Accession No.: NP_005847

Synonyms: 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.

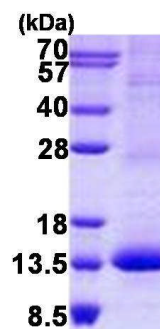
Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol

0.1M NaCl

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

Purity: > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MRAGGCNETG MLERLPLCGK AFADMMGKVD VWKWCNLSEF IVYYESFTNC TEMEANVVC YWPNPLAQQF
ITGIHRQFFS NCTVDRVHLE DPPDEV

General references:

Kuwasako K. *et al.* (2008) *Biochem Biophys Res Commun.* 377:109-113.

Roh J. *et al.* (2004) *J Biol Chem.* 279:7264-7274

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.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



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