Recombinant human RAMP3 protein

Catalog Number: ATGP1970

PRODUCT INFORMATION

Expression system
E.coli

Domain
24-118aa

UniProt No.
O60896

NCBI Accession No.
NP_005847

Alternative Names
Receptor activity modifying protein 3, Receptor (calcitonin) activity modifying protein 3

PRODUCT SPECIFICATION

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

Concentration
0.5mg/ml (determined by Bradford assay)

Formulation
Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 0.1M NaCl

Purity
> 90% by SDS-PAGE

Tag
His-Tag

Application
SDS-PAGE

Storage Condition
Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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

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purified by using conventional chromatography techniques.

Amino acid Sequence

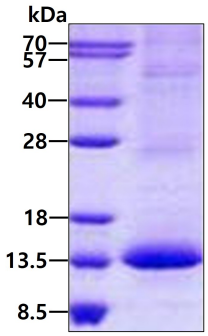
<MGSSHHHHHH SSGLVPRGSH M>RAGGCNETG MLERLPLCGK AFADMMGKVD VWKWCNLSEF IVYYESFTNC TEMEANVVGC YWPNPLAQGF ITGIHRQFFS NCTVDRVHLE DPPDEV

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

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.