Recombinant Human RAMP3(M33L) Protein

Catalog No.: RP00782LQ

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Sequence Information

Species
Human

Gene ID
10268

Swiss Prot
O60896

Tags
C-8×His

Synonyms
RAMP3,Receptor activity-modifying protein 3,RAMP3-H

Product Information

Source
CHO Cells

Purification
≥ 95 % as determined by SDS-PAGE.

Calculated MW
11.89 kDa

Observed MW
25-35 kDa

Endotoxin
< 0.1 EU/μg of the protein by LAL method.

Formulation
Supplied as 0.22μm filtered solution in PBS (pH 7.4).

Reconstitution

Background

RAMP3 belongs to the RAMP family. Accessory protein that interacts with and modulates the function of G-protein coupled receptors including calcitonin gene-related peptide type 1 receptor (CALCRL), calcitonin receptor (CALCR) and G-protein coupled estrogen receptor 1 (GPER1) .Required for the transport of CALCRL and GPER1 receptors to the plasma membrane . Plays a role in cardioprotection by reducing cardiac hypertrophy and perivascular fibrosis in a GPER1-dependent manner.Together with CALCRL, form a receptor complex for adrenomedullin/ADM and intermedin/ADM2 . Together with CALCR, act as a receptor complex for amylin/IAPP.

Basic Information

Description
Recombinant Human RAMP3(M33L) Protein is produced by CHO Cells system. The target protein is expressed with sequence (Arg24-Val118) of Human RAMP3 (Accession #NP_005847.1) fused with His tag at the C-Terminus..

Activity
Measured by its binding ability in a functional ELISA. Immobilized Human RAMP3(M33L) (Catalog: RP0782LQ) at 2 μg/mL (100 μL/well) can bind RAMP3 Rabbit pAb (Catalog: A6715) with a linear range of 0.10-8.48 ng/mL.

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -70℃

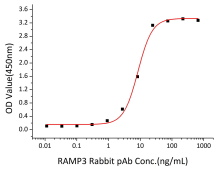
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

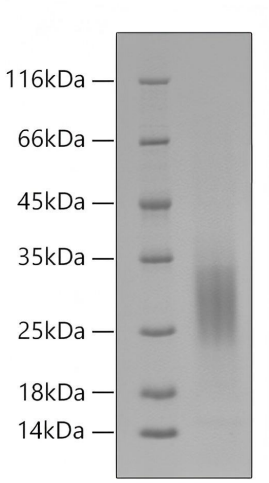
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Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Measured by its binding ability in a functional ELISA. Immobilized Human RAMP3 (M33L) (Catalog: RP0782LQ) at 2 μg/mL (100 μL/well) can bind RAMP3 Rabbit pAb (Catalog: A6715) with a linear range of 0.10-8.48 ng/mL.



Recombinant Human RAMP3(M33L) Protein was determined by SDS-PAGE with Coomassie Blue.