Recombinant Mouse Calcitonin/CALCA Protein

Catalog No.: RP02196

www.abclonal.com

Sequence Information

Species
Mouse

Gene ID
12310

Swiss Prot
Q99JA0

Tags
C-hFc

Synonyms
Calca, Calc, Calcitonin gene-related peptide 1, CGRP1, Alpha-type CGRP, Calcitonin gene-related peptide I, CGRP-I

Product Information

Source
HEK293 cells

Purification
≥ 92 % as determined by SDS-PAGE.

Calculated MW
36.9 kDa

Observed MW
42-46 kDa

Endotoxin
< 0.01 EU/μg of the protein by LAL method.

Formulation
Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). 5 % trehalose, 0.01% Tween80 are added as protectants before lyophilization.Please contact us for any concerns or special requirements.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

CGRP1/CALCA is a peptide hormone that induces vasodilation mediated by the CALCRL-RAMP1 receptor complex. Dilates a variety of vessels including the coronary, cerebral and systemic vasculature. Its abundance in the CNS also points toward a neurotransmitter or neuromodulator role. It also elevates platelet cAMP. CGRP1 can also bind and activate CALCR-RAMP1 (AMYR1) receptor complex.

Basic Information

Description
Recombinant Mouse Calcitonin/CALCA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Val26-Asp119) of Mouse Calcitonin/CALCA (Accession #NP_001029126.1) fused with hFC tag at the C-Terminus.

Activity

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 -20℃

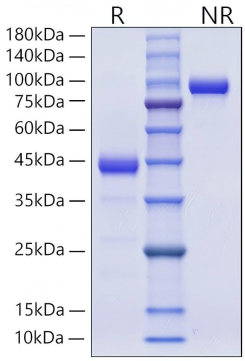
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

For research use only. Not for therapeutic or diagnostic purposes.
Please visit http://abclonal.com for a complete listing of recommended products.

Validation Data



Recombinant Mouse Calcitonin/CALCA Protein was determined by SDS-PAGE under reducing (R) and non-reducing (NR) conditions.