

Recombinant Mouse Calcitonin/CALCA Protein

Catalog No.: RP02196

Sequence Information

Species	Gene ID
Mouse	12310
Swiss Prot	Tags
Q99JA0	C-hFc

Synonyms

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

Product Information

Source	Purification
HEK293 cells	≥ 90 % as determined by SDS-PAGE.

Calculated MW	Observed MW
36.9 kDa	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 stabilizer (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°C

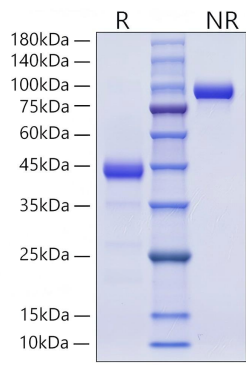
Operational Notes

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

Validation Data



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