

RP01728

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Recombinant Human Calcitonin/CALCA Protein

Catalog No.: RP01728

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	796	P01258-1

Tags

C-6His

Synonyms

CT; KC; PCT; CGRP; CALC1; CGRP1;
CGRP-I; CGRP-alpha; CALCA;
Procalcitonin; PCT

Product Information

Source

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.

Purification

≥ 90 % as determined by SDS-PAGE.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of

Background

This protein is a member of the neurotrophic tyrosine kinase receptor (NTRK) family. This kinase is a membrane-bound receptor that, upon neurotrophin binding, phosphorylates itself and members of the MAPK pathway. The presence of this kinase leads to cell differentiation and may play a role in specifying sensory neuron subtypes. Mutations in this gene have been associated with congenital insensitivity to pain, anhidrosis, self-mutilating behavior, mental retardation and cancer. Alternate transcriptional splice variants of this gene have been found, but only three have been characterized to date.

Basic Information

Description

Recombinant Human Calcitonin/CALCA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Ala26-Asn141) of human Calcitonin/CALCA (Accession #NP_001029124.1) fused with and a 6×His tag at the C-terminus.

Bio-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.

Operational Notes

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

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

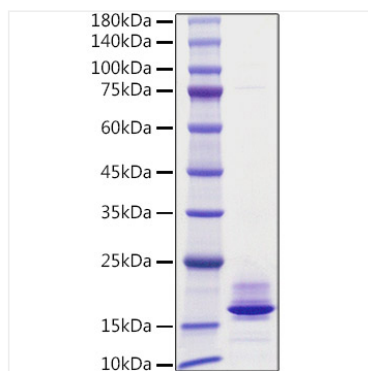
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Contact



www.abclonal.com

Validation Data



Recombinant Human
Calcitonin/CALCA Protein was
determined by SDS-PAGE under
reducing conditions with Coomassie
Blue.