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Datasheet for ABIN1692417

**CGRP Protein (AA 58-141) (His tag)**

## Overview

Quantity:	50 µg
Target:	CGRP (CALCA)
Protein Characteristics:	AA 58-141
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This CGRP protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Calcitonin/CALCA (C-6His, E. coli)
Sequence:	YVQMKASELE QEQEREGSSL DSPRSKRCGN LSTCMLGTYT QDFNKFHTFP QTAIGVGAPG KKRDMSSDLE RDHRPHVSMP QNANVEHHHH HH
Characteristics:	Recombinant Human Calcitonin/CALCA is produced with our E. coli expression system. The target protein is expressed with sequence (Tyr58-Asn141) of Human CALCA fused with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

## Target Details

Target:	CGRP (CALCA)
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## Target Details

Alternative Name:	CALCA ( <a href="#">CALCA Products</a> )
Sub Type:	Fusionprotein
Background:	<p>Calcitonin is a secreted protein which belongs to the calcitonin family. Calcitonin is cleaved into the following two chains: Calcitonin and Katakalcin. Katakalcin is a potent plasma calcium-lowering peptide. Calcitonin is a 32-amino acid linear polypeptide hormone. Calcitonin acts to reduce blood calcium (Ca<sup>2+</sup>), opposing the effects of parathyroid hormone (PTH). Its importance in humans has not been as well established as its importance in other animals, as its function is usually not significant in the regulation of normal calcium homeostasis. Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones.</p> <p>Alternative Names: Calcitonin, Katakalcin, Calcitonin Carboxyl-Terminal Peptide, CCP, PDN-21, CALCA, CALC1</p>
Molecular Weight:	10.5 kDa
UniProt:	<a href="#">P01258</a>
Pathways:	<a href="#">Hormone Activity</a> , <a href="#">cAMP Metabolic Process</a> , <a href="#">Myometrial Relaxation and Contraction</a> , <a href="#">Regulation of G-Protein Coupled Receptor Protein Signaling</a> , <a href="#">Skeletal Muscle Fiber Development</a> , <a href="#">Feeding Behaviour</a>

## Application Details

Restrictions:	For Research Use only
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## Handling

Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH<sub>2</sub>O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 50 % Glycerol, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at &lt; -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

Handling

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Expiry Date: 6 months