

Datasheet for ABIN6964348
CGRP Protein (AA 85-141) (Fc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	CGRP (CALCA)
Protein Characteristics:	AA 85-141
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CGRP protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human CALCA(85-141) Protein with C-terminal human Fc tag
Sequence:	TGFB2 (Ala26-Ser82)+hFc (Glu99-Ala330)
Specificity:	CALCA (Cys85-Asn141) hFc (Glu99-Ala330)
Characteristics:	Extracellular Domain Protein
Purification:	Purified from cell culture supernatant by affinity chromatography
Purity:	The purity of the protein is greater than 95 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	CGRP (CALCA)
Alternative Name:	CALCA (CALCA Products)

Target Details

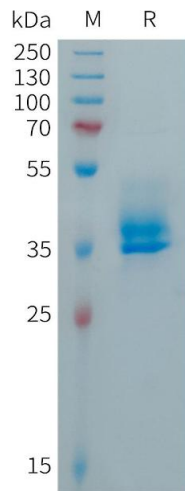
Background:	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katacalcin by tissue-specific alternative RNA splicing of the gene transcripts and cleavage of inactive precursor proteins. Calcitonin is involved in calcium regulation and acts to regulate phosphorus metabolism. Calcitonin gene-related peptide functions as a vasodilator and as an antimicrobial peptide while katacalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2014]
Molecular Weight:	predicted molecular mass of 32.4 kDa after removal of the signal peptide. The apparent molecular mass of CALCA(85-141)-hFc is 35-55 kDa due to glycosylation.
UniProt:	P01258
Pathways:	Hormone Activity , cAMP Metabolic Process , Myometrial Relaxation and Contraction , Regulation of G-Protein Coupled Receptor Protein Signaling , Skeletal Muscle Fiber Development , Feeding Behaviour

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Buffer:	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose is added as protectants before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Expiry Date:	12 months



SDS-PAGE

Image 1. Human CALCA(85-141) Protein, hFc Tag on SDS-PAGE under reducing condition.