

Datasheet for ABIN7491487
CGRP Protein (AA 83-119) (Fc Tag)



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1 Image

Overview

Quantity:	100 µg
Target:	CGRP (CALCA)
Protein Characteristics:	AA 83-119
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 CGRP Protein with C-terminal human Fc tag
Specificity:	CGRP (Ala83-Phe119) 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:	CGRP (CALCA Products)
Background:	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and

Target Details

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 29.9 kDa after removal of the signal peptide. The apparent molecular mass of CGRP-hFc is 25-35 kDa due to glycosylation.

UniProt: [P06881](#)

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

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 CGRP Protein, hFc Tag on SDS-PAGE under reducing condition.