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

Image



Overview

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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.

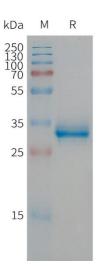
Target Details

Target:	CGRP (CALCA)
Alternative Name:	CGRP (CALCA Products)
Background:	This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and

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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.

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