



[Go to Product page](#)

Datasheet for ABIN7538155

CGRP Protein (AA 83-119) (Fc Tag)

1 Image

Overview

Quantity:	50 µg
Target:	CGRP (CALCA)
Protein Characteristics:	AA 83-119
Origin:	Mouse
Source:	Mammalian Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CGRP protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant mouse CGRP protein with C-terminal human Fc tag
Specificity:	Mouse CGRP (Ser83-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 (CGRP)

Target Details

and katecalcitonin. Alternative splicing of the mRNA results in multiple variants that encode either calcitonin or CGRP preproteins. Post-translational processing of the calcitonin and CGRP propeptides results in either calcitonin and katecalcitonin, or CGRP, respectively. Calcitonin and katecalcitonin modulate calcium levels in the blood stream. CGRP can function as a vasodilator and play a role in the transmission of pain. The human homolog of CGRP was found to have antimicrobial activity. [provided by RefSeq, Mar 2015]

Molecular Weight: predicted molecular mass of 29.9 kDa after removal of the signal peptide. The apparent molecular mass of mCGRP-hFc is 25-35 kDa due to glycosylation.

UniProt: [Q99JA0](#)

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

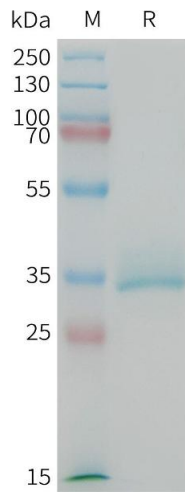
Format: Lyophilized

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