

PRODUCT INFORMATION

CGRP Target

Synonyms CA;Ct;Ctn;Calc;Calca;CGRP1;Calc1;CGRP-1

Recombinant mouse CGRP protein with C-**Description** terminal human Fc tag

Delivery In Stock **Uniprot ID** Q99JA0 **Expression Host HEK293**

Tag C-Human Fc Tag

Molecular

Mouse CGRP(Ser83-Phe119) hFc(Glu99-Ala330) Characterization

The protein has a predicted molecular mass of 29.9 kDa after removal of the signal peptide. The apparent molecular mass of mCGRP-hFc is **Molecular Weight**

approximately 25-35 kDa due to glycosylation. The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue

Purity staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % Formulation &

- 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis Reconstitution for specific instructions of reconstitution.

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

Storage & Shipping at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient

temperature.

This gene encodes the peptide hormones

calcitonin, calcitonin gene-related peptide (CGRP) and katacalcin. Alternative splicing of the mRNA results in multiple variants that encode either calcitonin or CGRP preproproteins. Post-translational processing of the calcitonin and CGRP propeptides results in either calcitonin and

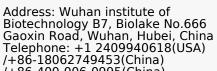
Background katacalcin, or CGRP, respectively. Calcitonin and katacalcin modulate calcium levels in the blood

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

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activity. [provided by RefSeq, Mar 2015]

Usage Research use only



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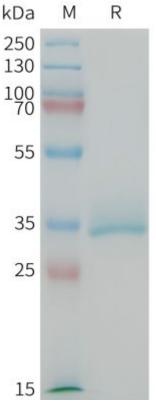
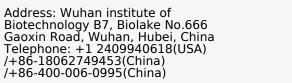


Figure 1. Mouse CGRP Protein, hFc Tag on SDS-PAGE under reducing condition.



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