PRODUCT INFORMATION

Target	CGRP
Synonyms	CA;Ct;Ctn;Calc;Calca;CGRP1;Calc1;CGRP-1
Description	Recombinant mouse CGRP protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q99JA0
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse CGRP(Ser83-Phe119) hFc(Glu99-Ala330)
Molecular Weight	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 approximately 25-35 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	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.
Background	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 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 activity. [provided by RefSeq, Mar 2015]
Usage	Research use only
Conjugate	Unconjugated

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Mouse CGRP Protein, hFc Tag

Cat. No. PME-M100093

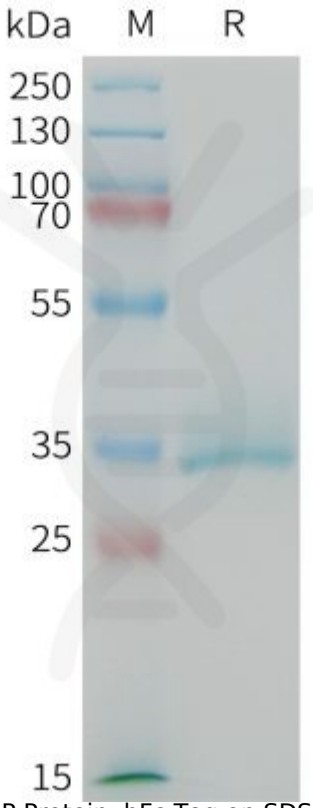


Figure 1. Mouse CGRP Protein, hFc Tag on SDS-PAGE under reducing condition.

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