

32-18220: Recombinant Human CGRP Protein, hFc Tag

Uniprot ID : P06881

Alternative Name : CALC1; CALCA; CGRP-alpha; CGRP-I; CGRP1; CT; KC; PCT

Description

Molecular Characterization: CGRP(Ala83-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 CGRP-hFc is approximately 25-35 kDa due to glycosylation.

Description: Recombinant Human CGRP Protein with C-terminal human Fc tag

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and 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.

Product Info

Amount : 100 µg / 50 µg

Content : Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

Storage condition : 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.