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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. |

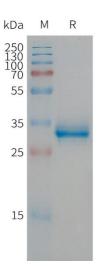
Target Details

| 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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