HUMAN CALCA(26-141) PROTEIN, HFC TAG

Cat.#: 11946

Product Name: Human CALCA(26-141) Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: CALC1;CGRP;CGRP-alpha;CGRP-I;CGRP1;CT;KC;PCT

Target: CALCA

UNIPROT ID: P01258

Description: Recombinant Human CALCA(26-141) Protein with C-terminal human Fc tag

Background: 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.[provided by RefSeq, Aug 2014]

Species/Host: HEK293

Molecular Weight: The protein has a predicted molecular mass of 38.9 kDa after removal of the signal peptide. The apparent molecular mass of CALCA(26-141)-hFc is approximately 35-55 kDa due to glycosylation.

Molecular Characterization: CALCA(Ala26-Asn141) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

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.

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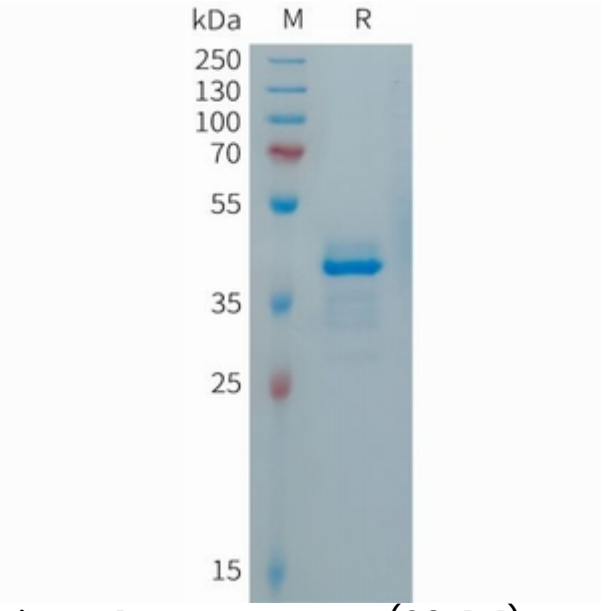

Figure 1.Human CALCA(26-141) Protein, hFc Tag on SDS-PAGE under reducing condition.

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