

Recombinant Human CALCA protein(Met1-Asn141), mFc-tagged

Cat. No. CALCA-236H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALCA (NP_001732.1) (Met1-Asn141) was expressed in HEK293 with the Fc region of Mouse IgG1 at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Asn141
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human CALCA/mFc comprises 350 amino acids and has a predicted molecular mass of 39.2 kDa. The apparent molecular mass of the monomer is approximately 41.6 and 31.2 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 85 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name CALCA calcitonin-related polypeptide alpha [Homo sapiens]

Official Symbol CALCA

Synonyms CALCA; calcitonin-related polypeptide alpha; CALC1, calcitonin 1; calcitonin; calcitonin gene-related peptide 1; calcitonin; katalcalcin; calcitonin 1; alpha-type CGRP; calcitonin gene-related peptide I; calcitonin/calcitonin-related polypeptide, alpha; CT; KC; CGRP; CALC1; CGRP1; CGRP-I; MGC126648;

Gene ID 796

mRNA Refseq NM_001033952

Protein Refseq NP_001029124

MIM 114130

UniProt ID P01258

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