

Recombinant Human CALCA Protein, His-tagged

Cat. No. CALCA-519H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human CALCA (NP_001732.1) (Met1-Asn141) was expressed with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-141 a.a.
Predicted N Terminal	Ala 26
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Molecular Mass	The recombinant human CALCA consists 127 amino acids and predicts a molecular mass of 14.2 kDa.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>85 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 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](#)

Chromosome Location 11p15.2

Pathway Amyloids, organism-specific biosystem; Calcitonin-like ligand receptors, organism-specific biosystem; Class B/2 (Secretin family receptors), organism-specific biosystem; Disease, organism-specific biosystem; G alpha (s) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific

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biosystem; GPCR ligand binding, organism-specific biosystem;

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