

Recombinant Human CALCA protein

Cat. No. CALCA-332H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALCA protein(26-141 aa) was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	26-141 aa
Form	Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 150 mM NaCl.
Molecular Mass	Approximately 12.8 kDa, a single non-glycosylated polypeptide chain containing 116 amino acids.
AASequence	APFRSALESS PADPATLSED EARLLLAALV QDYVQMKASE LEQEQUEREGS SLDSPRSKRRC GNLSTCMLGT YTQDFNKFHT FPQTAIGVGA PGKKRDMSSD LERDHRPHVS MPQNaN
Endotoxin	Less than 0.1 EU/µg of rHuPCT/Procalcitonin as determined by LAL method.
Purity	>98% by SDS-PAGE and HPLC analyses.
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after

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reconstitution.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at $\leq -20^{\circ}\text{C}$. Further dilutions should be made in appropriate buffered solutions.

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; katacalcin; 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](#)

SDS-PAGE

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