

# Recombinant Human CALCA protein

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

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CALCA protein(26-141 aa) was expressed in E.coli.                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                         |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | 26-141 aa                                                                                                                                                                                                                                                     |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered concentrated solution in 20 mM Tris-HCl, pH 8.0, 150 mM NaCl.                                                                                                                                                              |
| <b>Molecular Mass</b>   | Approximately 12.8 kDa, a single non-glycosylated polypeptide chain containing 116 amino acids.                                                                                                                                                               |
| <b>AASequence</b>       | APFRSALESS PADPATLSED EARLLLAALV QDYVQMKASE LEQEQUEREGS<br>SLDSPRSKRRC GNLSTCMLGT YTQDFNKFHT FPQTAIGVGA PGKKRDMSSD<br>LERDHRPHVS MPQNaN                                                                                                                       |
| <b>Endotoxin</b>        | Less than 0.1 EU/µg of rHuPCT/Procalcitonin as determined by LAL method.                                                                                                                                                                                      |
| <b>Purity</b>           | >98% by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                                           |
| <b>Storage</b>          | 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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