

Recombinant Human CALCA Protein, N-His-tagged

Cat. No. CALCA-12H Lot. No. (See product label)

SPECIFICATION


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| Product Overview | Recombinant Human CALCA Protein, fused to His-tag at N-terminus, was expressed in E. coli. |
| Species | Human |
| Source | E.coli |
| Description | 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. |
| Form | PBS, pH 7.4, 10% glycerol. |
| Molecular Mass | 14.9 kDa |
| AA Sequence | A DNA sequence encoding the region(Ala26-Asn141) of PCT |
| Purity | > 80% as determined by SDS-PAGE and Coomassie blue staining. |
| Notes | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |

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| Stability | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Storage | Store at -80 centigrade. |
| Concentration | >0.05 g/μ as determined by microplate BCA method. |
| Protein Families | Druggable Genome, Secreted Protein |
| GENE INFORMATION | |
| Gene Name | CALCA calcitonin related polypeptide alpha [Homo sapiens (human)] |
| Official Symbol | CALCA |
| Synonyms | CT; KC; PCT; CGRP; CALC1; CGRP1; CGRP-I; CGRP-alpha |
| Gene ID | 796 |
| mRNA Refseq | NM_001741.3 |
| Protein Refseq | NP_001732.1 |
| MIM | 114130 |
| UniProt ID | P01258 |
| SDS-PAGE | |

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