

Recombinant Human CALCA Protein, N-His-tagged

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

SPECIFICATION

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 µg/µl 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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