

Product datasheet for **TP750123**

Calcitonin (CALCA) (NM_001741) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human calcitonin-related polypeptide alpha (PCT), transcript variant 1, N-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding the region(Ala26-Asn141) of PCT
Tag:	N-His
Predicted MW:	14.9 kDa
Concentration:	>0.05 µg/µL as determined by Bradford protein assay method.
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001732
Locus ID:	796
UniProt ID:	P01258
RefSeq Size:	792
Cytogenetics:	11p15.2
RefSeq ORF:	423
Synonyms:	CALC1; CGRP; CGRP-alpha; CGRP-I; CGRP1; CT; KC; PCT



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Summary:

This gene encodes the peptide hormones calcitonin, calcitonin gene-related peptide and katalcalcin 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 katalcalcin is a calcium-lowering peptide. Multiple transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2014]

Protein Families:

Druggable Genome, Secreted Protein

Product images: