

Product datasheet for **TP720503XL**

Calcitonin (CALCA) (NM_001033952) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human calcitonin-related polypeptide alpha (CALCA)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Ala26-Asn141
Tag:	C-His
Predicted MW:	13.8 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 µm filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per µg protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH ₂ O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	NP_001029124
Locus ID:	796
UniProt ID:	P01258
Cytogenetics:	11p15.2
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: