

Datasheet for ABIN7318223

**Calcitonin Protein (Calca) (His tag)**[Go to Product page](#)

## Overview

Quantity:	50 µg
Target:	Calcitonin (Calca)
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calcitonin protein is labelled with His tag.

## Product Details

Purpose:	Recombinant Human Calcitonin/CALCA Protein (His Tag, E. coli)
Sequence:	Tyr58-Asn141
Characteristics:	Recombinant Human Calcitonin is produced by our E.coli expression system and the target gene encoding Tyr58-Asn141 is expressed with a 6His tag at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

## Target Details

Target:	Calcitonin (Calca)
Alternative Name:	Calcitonin/CALCA ( <a href="#">Calca Products</a> )
Background:	Background: Calcitonin is a secreted protein which belongs to the calcitonin family. Calcitonin is cleaved into the following two chains: Calcitonin and Katalcalcin. Katalcalcin is a potent plasma calcium-lowering peptide. Calcitonin is a 32-amino acid linear polypeptide hormone. Calcitonin

## Target Details

acts to reduce blood calcium (Ca<sup>2+</sup>), opposing the effects of parathyroid hormone (PTH). Its importance in humans has not been as well established as its importance in other animals, as its function is usually not significant in the regulation of normal calcium homeostasis. Calcitonin causes a rapid but short-lived drop in the level of calcium and phosphate in blood by promoting the incorporation of those ions in the bones.

Synonym: Calcitonin, Katakalcin, Calcitonin Carboxyl-Terminal Peptide, CCP, PDN-21, CALCA, CALC1

Molecular Weight: 10.5 kDa

UniProt: [P01258](#)

## Application Details

Restrictions: For Research Use only

## Handling

Format: Frozen, Liquid

Buffer: Supplied as a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, 50 % Glycerol, pH 7.4.

Storage: -20 °C

Storage Comment: Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles.