

## 32-8248: Recombinant Human Calcitonin/CALCA (C-6His, E. coli)

**Gene :** CALCA  
**Gene ID :** 796  
**Uniprot ID :** P01258

### Description

Source: E. coli.  
MW :10.5kD.

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. 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 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.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Supplied as a 0.2 µm filtered solution of 20mM PB,150mM NaCl,50% Glycerol,pH7.4.  
**Storage condition :** Store at -20°C, stable for 6 months after receipt. Please minimize freeze-thaw cycles.  
**Amino Acid :** YVQMKASELEQEEREGSSLDSPRSKRCGNLSTCMLGTYTQDFNKFHTFPQTAIGVGAPGKKRDMSSDLERD  
HRPHVSMPQANVEHHHHHH

### Application Note

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.