

## Calcitonin/CALCA Protein, Human (His)

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|--------------------------|--|
| <b>Cat. No.:</b>         | HY-P7708   |
| <b>Synonyms:</b>         | rHuCalcitonin, His; Calcitonin; Katalcalcin; Calcitonin Carboxyl-Terminal Peptide; CCP; PDN-21; CALCA; CALC1 |
| <b>Species:</b>          | Human  |
| <b>Source:</b>           | E. coli  |
| <b>Accession:</b>        | P01258 (Y58-N141)  |
| <b>Gene ID:</b>          | 796  |
| <b>Molecular Weight:</b> | Approximately 16.0 kDa   |

### PROPERTIES

|                                |   |
|--------------------------------|---|
| <b>AA Sequence</b>             | Y V Q M K A S E L E    Q E Q E R E G S S L    D S P R S K R C G N    L S T C M L G T Y T<br>Q D F N K F H T F P    Q T A I G V G A P G    K K R D M S S D L E    R D H R P H V S M P<br>Q N A N H H H H H H |
| <b>Appearance</b>              | Solution.   |
| <b>Formulation</b>             | Supplied as a 0.2 µm filter solution of 20 mM PB, 150 mM NaCl, 50% Glycerol, pH7.4.   |
| <b>Endotoxin Level</b>         | <1 EU/µg, determined by LAL method.   |
| <b>Reconstitution</b>          | N/A   |
| <b>Storage &amp; Stability</b> | Stored at -80°C for 1 year. It is stable at -20°C for 3 months after opening. It is recommended to freeze aliquots at -80°C for extended storage. Avoid repeated freeze-thaw cycles.                        |
| <b>Shipping</b>                | Shipping with dry ice.  |

### DESCRIPTION

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| <b>Background</b> | Calcitonin is a 32 amino acid hormone secreted by the C-cells of the thyroid gland. Calcitonin secretion is stimulated by increases in the serum calcium concentration and calcitonin protects against the development of hypercalcemia. Calcitonin is also stimulated by gastrointestinal hormones such as gastrin <sup>[1]</sup> . |
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### REFERENCES

[1]. Arnold J Felsenfeld, et al. Calcitonin, the forgotten hormone: does it deserve to be forgotten? Clin Kidney J. 2015 Apr;8(2):180-7.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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