

Calcitonin Protein, Human (His)

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

PROPERTIES

AA Sequence	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 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 Q N A N H H H H H H
Biological Activity	Data is not available.
Appearance	Solution
Formulation	Supplied as a 0.2 µm filter solution of 20 mM PB, 150 mM NaCl, 50% Glycerol, pH7.4.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	N/A
Storage & Stability	Stored at -80°C. 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.
Shipping	Shipping with dry ice.

DESCRIPTION

Background	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 ^[1] .
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REFERENCES

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

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