

Recombinant Human Procalcitonin

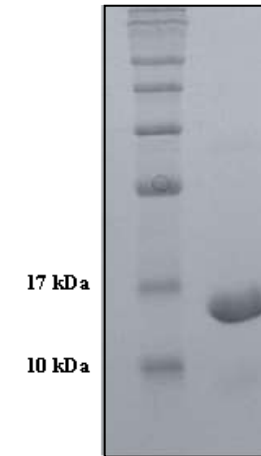
CATALOG NO:	4009-10	10 µg
	4009-50	50 µg
	4009-1000	1 mg
SOURCE:	<i>E. coli</i>	
PURITY:	> 98% by SDS-PAGE	
MOLECULAR WT:	13.2 kDa (116 aa, 26-141)	
FORM:	Lyophilized	
FORMULATION:	Sterile Filtered lyophilized (freeze-dried) powder from 50 mM Tris, 100 mM NaCl, pH 8.0	
RECONSTITUTION:	Centrifuge the vial prior to opening. Reconstitute in sterile water to a concentration of 0.1 mg/ml.	

STORAGE CONDITIONS:

The lyophilized human Procalcitonin is very stable at -20°C. Upon reconstitution the material should be aliquoted and frozen at -80°C. It is recommended to add a carrier protein (0.1% HSA or BSA) for long term storage.

DESCRIPTION:

Procalcitonin is a peptide hormone mainly produced by the C cells of the thyroid and certain endocrine cells of the lung. Under normal expression conditions, procalcitonin is immediately cleaved into three specific fragments, an N terminal residue, calcitonin and katacalcin. Levels of unprocessed Procalcitonin rise significantly after bacterial infection, trauma or shock. Recombinant Human Procalcitonin produced in *E.coli* is a single, non-glycosylated, polypeptide chain containing 116 amino acids with a molecular weight of 13.2 kDa.



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