

Procalcitonin Human Recombinant

Item Number	rAP-2589
Synonyms	Procalcitonin, PCT.
Description	Procalcitonin Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 116 amino acids and having a molecular mass of 12.8 kDa. The Procalcitonin is purified by standard chromatographic techniques.
Uniprot Accession Number	
Amino Acid Sequence	APFRSALESS PADPATLSED EARLLLLAALV QDYVQMKASE LEQEQEREGS SLDSPRSKRC GNLSTCMLGT YTQDFNKFHT FPQTAIGVGA PGKKRDMSSD LERDHRPHVS MPQNaN.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized procalcitonin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution procalcitonin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.
Formulation and Purity	Lyophilized from 10mM sodium phosphate pH-7.5. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to reconstitute the lyophilized procalcitonin sterile 18MΩ-cm H ₂ O at 100 µg/ml, which can then be further diluted to other aqueous solutions.
Biological Activity	Human Procalcitonin was tested using Biomerieux reagents on the Min-Vidas. The assay was run at 80ng/ml with a typical recovery of 80 percent.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**