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32-12279: Human Procalcitonin

Gene :	CALCA
Gene ID :	796
Uniprot ID :	P01258
Alternative Name :	Calcitonin, Calcitonin carboxyl-terminal peptide, PDN-21 Â Â Â Â Â

Description

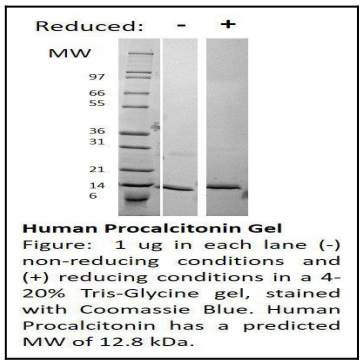
Source: Genetically modified E.coli.
Predicted MW:Â Monomer, 12.8 kDa (116 aa)
Procalcitonin is a precursor of the peptide hormone calcitonin. Procalcitonin is mainly produced by the neuroendocrine cells of the lung and thyroid gland, but may be secreted ubiquitously during inflammation or infection. Under normal expression conditions, procalcitonin is immediately cleaved into three specific fragments: calcitonin, katacalcin, and an N terminal residue. Levels of unprocessed procalcitonin are significantly increased after bacterial infection, inflammation, trauma, or shock.

Product Info

Amount :	10 µg / 100 µg
Purification :	Reducing and Non-Reducing SDS PAGE at >= 95%
Content :	Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 10 mM sodium phosphate, pH 7.5 Sterile water at 0.1 mg/mL
Storage condition :	Store at -20°C
Amino Acid :	APFRSALESS PADPATLSED EARLLLAALV QDYVQMKASE LEQEQEREGS SLDSPRSKRC GNLSTCMLGT YTQDFNKFHT FPQTAIGVGA PGKKRDMSSD LERDHRPHVS MPQNAN

Application Note

Endotoxin: Less than 0.1 ng/ÃÂµg (1 IEU/ÃÂµg) as determined by LAL test.
Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80ÃÂ°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vialed to compensate for this loss. ÃÂ ÃÂ



Human Procalcitonin Gel
Figure: 1 ug in each lane (-) non-reducing conditions and (+) reducing conditions in a 4-20% Tris-Glycine gel, stained with Coomassie Blue. Human Procalcitonin has a predicted MW of 12.8 kDa.