9051 Mira Mesa Blvd, #910094
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CST4 Human

Cystatin 4 Human Recombinant
RCP0570

Product Overview

Name	CST4 Human
Description	
Cystatin 4 Human Recombinant	
Accession (Primary)	P01036
Synonyms	
Cystatin-SA-III, Cystatin-4, cystatin S, Salivary acidic protein 1.	
Introduction	
CST4 is a member of the cystatin superfamily which contains proteins that hold multiple cystatin-like sequences. Several family members are active cysteine protease inhibitors, whereas others have lost or possibly never attained this inhibitory activity. CST4 strongly inhibits papain (non-competitively) and ficin, partially inhibits stem bromelain and bovine cathepsin C, however does not inhibit porcine cathepsin B or clostripain.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CST4 solution (1mg/1ml) contains 20mM Tris-HCl buffer (pH 8.0), 50mM NaCl, 1mM DTT and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 95% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGSM SSSKEE NRIIPGGIYD ADLNDEWVQR ALHFAISEYN KATEDEYYRR PLQVLRAREQ TFGGVNYFFD VEVGRTICTK SQPNLDTCAF HEQPELQKKQ LCSFEIYEVP WEDRMSLVNS RCQEA	
Precautions	
CST4 Human is for research use only and not for use in diagnostic or therapeutic procedures.	

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Target Information: (P01036)