9051 Mira Mesa Blvd, #910094
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CST1 Human

Cystatin SN Human Recombinant
RCP0558

Product Overview

Name	CST1 Human
Description	
Cystatin SN Human Recombinant	
Accession (Primary)	P01037
Synonyms	
Cystatin-SN, Cystain-SA-I, Cystatin-1, Salivary cystatin-SA-1, CST1.	
Introduction	
Cystatin-SN (CST1) belongs to the type 2 salivary cystatin family found in a variety of fluids and secretions, including plasma, tears, and saliva. The cystatin superfamily includes proteins which contain multiple cystatin-like sequences. Some of the members are active cysteine protease inhibitors, whereas others have lost or possibly never developed this inhibitory activity. CST1 is up-regulated in cancerous lesions of gastric cancer tissues compared to noncancerous regions, in addition clinicopathological analysis revealed a significant correlation between high expression of CST1.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
CST1 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl.	
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 WSPKEE DRIIPGGIYN ADLNDEWVQR ALHFAISEYN KATKDDYYRR PLRVLRARQQ TVGGVNYFFD VEVGRTICTK SQPNLDTCAF HEQPELQKKQ LCSFEIYEVP WENRRSLVKS RCQES.	
Precautions	

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CST1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01037)