9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CST7 Human

Cystatin 7 Human Recombinant
RCP0575

Product Overview

Name	CST7 Human
Description	
Cystatin 7 Human Recombinant	
Accession (Primary)	O76096
Synonyms	
Cystatin-F, Cystatin-7, Cystatin-like metastasis-associated protein, CMAP, Leukocystatin, Cystatin 7, CST7, CMAP.	
Introduction	
Cystatin 7 (CST7) is a glycosylated cysteine protease inhibitor with a putative role in immune regulation through inhibition of a unique target in the hematopoietic system. Cystatin-7 is comprised of multiple cystatin-like sequences. The superfamily is comprised of 3 inhibitory families: the type 1 cystatins (stefins), type 2 cystatins and the kininogens. Some members are active cysteine protease inhibitors, while others have lost or possibly never had this inhibitory activity. Type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in various human fluids and secretions. CST7 protein expression has been observed in numerous human cancer cell lines established from malignant tumors.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The CST7 solution (0.5mg/1ml) contains phosphate buffered saline (pH7.4).	
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 95.0% as determined by SDS-PAGE.	
Amino acid sequence	
GPSPDTCSQD LNSRVKPGFP KTIKTNDPGV LQAARYSVEK FNNCTNDMFL FKESRITRAL VQIVKGLKYM LEVEIGRTTC KKNQHLRLDD CDFQTNHTLK QTLSCYSEVW VVPWLQHFEV PVLRC HHHHH HH.	

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Precautions

CST7 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O76096)