

# Product datasheet for TP720388M

# Cystatin SN (CST1) (NM\_001898) Human Recombinant Protein

## **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Recombinant Proteins
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Description:	Recombinant protein of human cystatin SN (CST1)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	Trp21-Ser141
Tag:	C-His
Predicted MW:	15.4 kDa
Concentration:	lot specific
Purity:	>95% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	Provided lyophilized from a 0.2 $\mu$ m filtered solution of 20 mM Tris-HCl, 150 mM NaCl
Endotoxin:	< 0.1 EU per $\mu$ g protein as determined by LAL test
Reconstitution Method:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. Dissolve the lyophilized protein in ddH2O. It is not recommended to reconstitute a concentration less than 100 µg/ml. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.
Storage:	Store at -80°C.
Stability:	Stable for at least 6 months from date of receipt under proper storage and handling conditions.
RefSeq:	<u>NP 001889</u>
Locus ID:	1469
UniProt ID:	<u>P01037</u>
Cytogenetics:	20p11.21

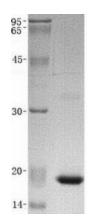


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### **GRIGENE** Cystatin SN (CST1) (NM\_001898) Human Recombinant Protein – TP720388M

Summary:The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences.<br/>Some of the members are active cysteine protease inhibitors, while others have lost or<br/>perhaps never acquired this inhibitory activity. There are three inhibitory families in the<br/>superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The<br/>type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of<br/>human fluids and secretions, where they appear to provide protective functions. The cystatin<br/>locus on chromosome 20 contains the majority of the type 2 cystatin genes and<br/>pseudogenes. This gene is located in the cystatin locus and encodes a cysteine proteinase<br/>inhibitor found in saliva, tears, urine, and seminal fluid. [provided by RefSeq, Jul 2008]

### **Product images:**



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