

# Product datasheet for TP720339M

# Cystatin D (CST5) (NM\_001900) Human Recombinant Protein

## **Product data:**

#### OriGene Technologies, Inc.

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| Product Type:                            | Recombinant Proteins   |
|--|--|
| Description:                             | Recombinant protein of human cystatin D (CST5)   |
| Species:                                 | Human  |
| Expression Host:                         | HEK293   |
| Expression cDNA Clone<br>or AA Sequence: | Gly21-Val142   |
| Tag:                                     | C-His  |
| Predicted MW:                            | 14.9 kDa   |
| Concentration:                           | lot specific   |
| Purity:                                  | >95% as determined by SDS-PAGE and Coomassie blue staining   |
| Buffer:                                  | Lyophilized from a 0.2 um filtered solution of 20mM MES, 150mM NaCl, pH 5.5.   |
| 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:                                 | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.                                  |
| Stability:                               | Stable for at least 6 months from date of receipt under proper storage and handling conditions.  |
| RefSeq:                                  | <u>NP_001891</u>   |
| Locus ID:                                | 1473   |
| UniProt ID:                              | <u>P28325</u>  |
| Cytogenetics:                            | 20p11.21   |

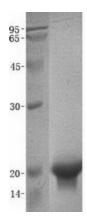


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### Science Cystatin D (CST5) (NM\_001900) Human Recombinant Protein – TP720339M

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. The cystatin locus on chromosome 20 contains the majority of<br/>the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and<br/>encodes a protein found in saliva and tears. The encoded protein may play a protective role<br/>against proteinases present in the oral cavity. [provided by RefSeq, Jul 2008]

### **Product images:**



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