

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 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 μ 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

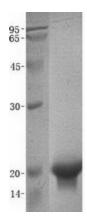


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Science Cystatin D (CST5) (NM_001900) Human Recombinant Protein – TP720339M

Summary:The cystatin superfamily encompasses proteins that contain multiple cystatin-like sequences.
Some of the members are active cysteine protease inhibitors, while others have lost or
perhaps never acquired this inhibitory activity. There are three inhibitory families in the
superfamily, including the type 1 cystatins (stefins), type 2 cystatins and the kininogens. The
type 2 cystatin proteins are a class of cysteine proteinase inhibitors found in a variety of
human fluids and secretions. The cystatin locus on chromosome 20 contains the majority of
the type 2 cystatin genes and pseudogenes. This gene is located in the cystatin locus and
encodes a protein found in saliva and tears. The encoded protein may play a protective role
against proteinases present in the oral cavity. [provided by RefSeq, Jul 2008]

Product images:



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