

Product datasheet for **TP307689M**

CST6 (NM_001323) Human Recombinant Protein

Product data:

| | |
|---------------------------------------|--|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human cystatin E/M (CST6), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC207689 protein sequence Red =Cloning site Green =Tags(s) |
| | MARSNLPLALGLALVAFCLLALPRDARARPQERMVGEIRDLSPPDPQVQKAAQAASYNMGSNSIYYFR DTHIIKAQSQLVAGIKYFLTMEMGSTDCRKTRVTGDHVDLTTCPAAGAQQEKLRCDFEVLVWPWQNSSQ LLKHNCVQM |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |
| Tag: | C-Myc/DDK |
| Predicted MW: | 13.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | <u>NP_001314</u> |
| Locus ID: | 1474 |
| UniProt ID: | <u>Q15828</u> |
| RefSeq Size: | 618 |



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Cytogenetics: 11q13.1

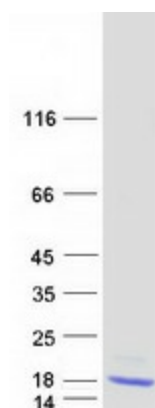
RefSeq ORF: 447

Synonyms: ECTD15

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, where they appear to provide protective functions. This gene encodes a cystatin from the type 2 family, which is down-regulated in metastatic breast tumor cells as compared to primary tumor cells. Loss of expression is likely associated with the progression of a primary tumor to a metastatic phenotype. [provided by RefSeq, Jul 2008]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified CST6 protein (Cat# [TP307689]). The protein was produced from HEK293T cells transfected with CST6 cDNA clone (Cat# [RC207689]) using MegaTran 2.0 (Cat# [TT210002]).