

## Recombinant Human CSTA protein

**Cat. No.** CSTA-213H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human Cystatin A is produced with our E. coli expression system. The target protein is expressed with sequence (Ile2-Phe98) of Human Cystatin A.                  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | 2-98 a.a.   |
| <b>Form</b>             | Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0.   |
| <b>AA Sequence</b>      | MHHHHHIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGT<br>NYYIKVRAGDNKYMHLKV FKSLPGQNEDLVLTGYQVDKNDDELDTGF  |
| <b>Endotoxin</b>        | < 1.0 EU per µg of the protein as determined by the LAL method.   |
| <b>Purity</b>           | > 95 % as determined by SDS-PAGE.   |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70 centigrade.  |
| <b>Storage</b>          | Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.                     |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents. |

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## GENE INFORMATION

|                            |  |
|----------------------------|--|
| <b>Gene Name</b>           | CSTA cystatin A [ Homo sapiens ]   |
| <b>Official Symbol</b>     | CSTA   |
| <b>Synonyms</b>            | AREI; STF1; STFA; cystatin A (stefin A); cystatin AS   |
| <b>Gene ID</b>             | 1475   |
| <b>mRNA Refseq</b>         | NM_005213  |
| <b>Protein Refseq</b>      | NP_005204  |
| <b>MIM</b>                 | 184600   |
| <b>UniProt ID</b>          | P01040   |
| <b>Chromosome Location</b> | 3q21   |
| <b>Function</b>            | cysteine-type endopeptidase inhibitor activity; protease binding; structural molecule activity |

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