

Active Recombinant Human CST3 protein, His-tagged

Cat. No. CST3-859H Lot. No. (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human CST3 protein(NP_000090.1) (Ser 27-Ala 146) was expressed in HEK293 with a C-terminal polyhistidine tag.
Species	Human
Source	HEK293
ProteinLength	27-146 aa
Form	Lyophilized from sterile 25mM HEPES, 0.15mM NaCl, pH 7.7.
Bio-activity	Measured by its ability to inhibit papain cleavage of a fluorogenic peptide substrate Z-FR-AMC. The IC50 value is < 12 nM.
Molecular Mass	The mature recombinant human Cystatin-C consists of 131 amino acids and predicts a molecular mass of 14.8 kDa. The rh Cystatin-C migrates as approximately 17 kDa band in SDS-PAGE as a result of glycosylation.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. Avoid repeated freeze-thaw cycles.

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Reconstitution 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.

GENE INFORMATION

Gene Name CST3 cystatin C [Homo sapiens]

Official Symbol CST3

Synonyms CST3; cystatin C; cystatin C (amyloid angiopathy and cerebral hemorrhage); cystatin-C; cystatin 3; cystatin-3; gamma-trace; post-gamma-globulin; bA218C14.4 (cystatin C); neuroendocrine basic polypeptide; ARMD11; MGC117328;

Gene ID 1471

mRNA Refseq NM_000099

Protein Refseq NP_000090

MIM 604312

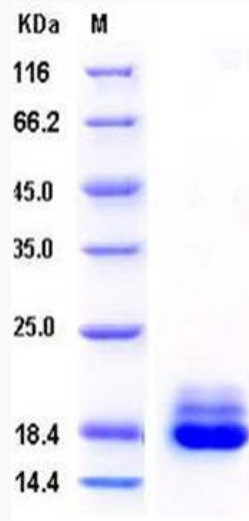
UniProt ID P01034

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SDS-PAGE



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