

Recombinant Human CSTA protein

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	E.coli
ProteinLength	2-98 a.a.
Form	Lyophilized from a 0.2 µm filtered solution of 20mM Tris-HCl, 100mM NaCl, pH 8.0.
AA Sequence	MHHHHHHIPGGLSEAKPATPEIQEIVDKVKPQLEEKTNETYGKLEAVQYKTQVVAGT NYYIKVRAGDNKYMHLKV FKSLPGQNEDLVL TGYQVDKNKDDEL TGF
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE.
Stability	Samples are stable for up to twelve months from date of receipt at -70 centigrade.
Storage	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.
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.

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GENE INFORMATION

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

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