

Recombinant Human CST5 protein(Met1-Val142), His-tagged

Cat. No. CST5-1854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Cystatin D (NP_001891.2) (Met 1-Val 142) with a C-terminal polyhistidine tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Met1-Val142
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The secreted mature recombinant human CST5 comprises 133 amino acids with the predicted molecular mass of 15.2 kDa as estimated by SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°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

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0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	CST5 cystatin D [Homo sapiens]
Official Symbol	CST5
Synonyms	CST5; cystatin D; cystatin-D; cystatin 5; cystatin-5; cysteine-proteinase inhibitor; MGC71922;
Gene ID	1473
mRNA Refseq	NM_001900
Protein Refseq	NP_001891
MIM	123858
UniProt ID	P28325

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