

## Recombinant Human CSTB, His tagged

**Cat. No.** CSTB-3837H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                              |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CSTB (P04080) (Met 2-Phe 98), fused with a polyhistide tag at the N-terminus, was produced in E. coli.                                                                     |
| <b>Species</b>          | Human                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 2-98 a.a.                                                                                                                                                                                    |
| <b>Form</b>             | Lyophilized from sterile 50mM Tris, 50mM NaCl, pH 8.0                                                                                                                                        |
| <b>Molecular Mass</b>   | The recombinant human CSTB consisting of 108 amino acids and has a calculated molecular mass of 12.5 kDa. It migrates as an approximately 15 kDa band in SDS-PAGE under reducing conditions. |
| <b>Endotoxin</b>        | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                              |
| <b>Stability</b>        | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                    |
| <b>Storage</b>          | Store it under sterile conditions at -20oC~-70oC. 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. Centrifuge the vial at 4°C before opening to recover the entire contents.                             |

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## GENE INFORMATION

|                 |                                             |
|-----------------|---------------------------------------------|
| Gene Name       | CSTB cystatin B (stefin B) [ Homo sapiens ] |
| Official Symbol | CSTB                                        |
| Gene ID         | 1476                                        |
| mRNA Refseq     | NM_000100                                   |
| Protein Refseq  | NP_000091                                   |
| MIM             | 601145                                      |
| UniProt ID      | P04080                                      |

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