

## Recombinant Human CSTB protein, His-SUMO-tagged

**Cat. No.** CSTB-2750H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                       |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CSTB protein(P04080)(1-98aa), fused to N-terminal His tag and SUMO tag, was expressed in E. coli.                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | 1-98aa                                                                                                                                                                                                                                |
| <b>Form</b>             | If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol.<br>If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0. |
| <b>Molecular Mass</b>   | 27.1 kDa                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MCGAPSATQPATAETQHIADQVRSQLEEKENKKFPVFKAVSFKSQVVAGTNYFIKVVH<br>VGDEDFVHLRVFQSLPHENKPLTLSNYQTNKAKHDELTYP                                                                                                                                |
| <b>Purity</b>           | Greater than 85% as determined by SDS-PAGE.                                                                                                                                                                                           |
| <b>Storage</b>          | Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.                                                                                                                        |
| <b>Reconstitution</b>   | Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0                                                                                                                                                  |

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mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

## GENE INFORMATION

|                 |                                                                                                                                  |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | CSTB cystatin B (stefin B) [ Homo sapiens ]                                                                                      |
| Official Symbol | CSTB                                                                                                                             |
| Synonyms        | CSTB; cystatin B (stefin B); EPM1, STFB; cystatin-B; CST6; PME; CPI-B; liver thiol proteinase inhibitor; ULD; EPM1; STFB; EPM1A; |
| Gene ID         | 1476                                                                                                                             |
| mRNA Refseq     | NM_000100                                                                                                                        |
| Protein Refseq  | NP_000091                                                                                                                        |
| MIM             | 601145                                                                                                                           |
| UniProt ID      | P04080                                                                                                                           |

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