

## Recombinant Human HCST, Fc tagged

**Cat. No.** HCST-130H    **Lot. No.** (See product label)

### SPECIFICATION

|                             |                                                                                                                                                                                                                                                                 |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>     | Recombinant Human HCST (Q9UBK5-1) (Met1-Pro48), fused with the Fc region of mouse IgG at the C-terminus, was produced in Human Cell.                                                                                                                            |
| <b>Species</b>              | Human                                                                                                                                                                                                                                                           |
| <b>Source</b>               | Human Cells                                                                                                                                                                                                                                                     |
| <b>ProteinLength</b>        | 1-48 a.a.                                                                                                                                                                                                                                                       |
| <b>Predicted N Terminal</b> | Gln 19                                                                                                                                                                                                                                                          |
| <b>Form</b>                 | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose and mannitol are added as protectants before lyophilization.                                                                                                                                 |
| <b>Molecular Mass</b>       | The recombinant human HCST/mFc is a disulfide-linked homodimer. The reduced monomer comprises 264 amino acids and has a predicted molecular mass of 29.3 kDa. The apparent molecular mass of the protein is approximately 34 in SDS-PAGE under reducing conditi |
| <b>Endotoxin</b>            | < 1.0 eu per µg of the protein as determined by the LAL method.                                                                                                                                                                                                 |
| <b>Purity</b>               | (67.3±28) % as determined by SDS-PAGE                                                                                                                                                                                                                           |
| <b>Stability</b>            | Samples are stable for up to twelve months from date of receipt at -70oC.                                                                                                                                                                                       |

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|                            |                                                                                                                                                                  |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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. |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                  |
| <b>Gene Name</b>           | HCST hematopoietic cell signal transducer [ Homo sapiens ]                                                                                                       |
| <b>Official Symbol</b>     | HCST                                                                                                                                                             |
| <b>Gene ID</b>             | 10870                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_001007469                                                                                                                                                     |
| <b>Protein Refseq</b>      | NP_001007470                                                                                                                                                     |
| <b>MIM</b>                 | 604089                                                                                                                                                           |
| <b>UniProt ID</b>          | Q9UBK5                                                                                                                                                           |
| <b>Chromosome Location</b> | 19q13.1                                                                                                                                                          |

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