

## Recombinant Human SLC3A2 protein, His-tagged

Cat. No. SLC3A2-3960H    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                            |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC3A2 protein(AAH01061)(Arg206-Ala630), fused with N-terminal His tag, was expressed in HEK293.                                                         |
| <b>Species</b>          | Human                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                     |
| <b>ProteinLength</b>    | Arg206-Ala630                                                                                                                                                              |
| <b>Tag</b>              | N-His                                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                             |
| <b>Bio-activity</b>     | Immobilized Human CD98, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-CD98 Antibody, hFc Tag with the EC50 of 10.1ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 47.9 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.                                         |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                    |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC                                                                                                          |

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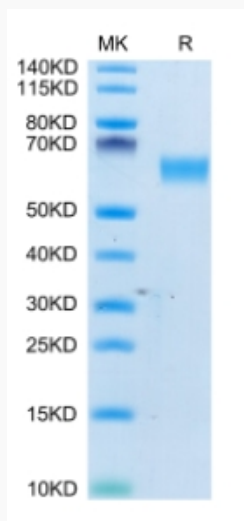
|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Reconstitution</b>   | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Gene Name</b>        | SLC3A2 solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2 [ Homo sapiens ]                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Official Symbol</b>  | SLC3A2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Synonyms</b>         | SLC3A2; solute carrier family 3 (activators of dibasic and neutral amino acid transport), member 2; MDU1; 4F2 cell-surface antigen heavy chain; 4F2; 4F2 cell surface antigen heavy chain; 4F2 heavy chain; 4F2HC; 4T2HC; antigen defined by monoclonal 4F2; antigen identified by monoclonal antibodies 4F2; TRA1.10; TROP4; and T43; CD98; CD98 heavy chain; CD98HC; heavy chain; lymphocyte activation antigen 4F2 large subunit; monoclonal 44D7; NACAE; antigen defined by monoclonal 4F2, heavy chain; antigen identified by monoclonal antibodies 4F2, TRA1.10, TROP4, and T43; |
| <b>Gene ID</b>          | 6520                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_001012662                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Protein Refseq</b>   | NP_001012680                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>MIM</b>              | 158070                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>       | P08195                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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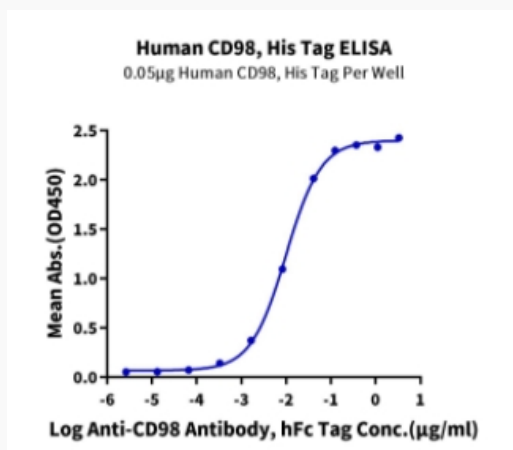
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## Tris-Bis PAGE



## ELISA Data



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