

## Recombinant Human SLC7A7 protein, His-tagged

**Cat. No.** SLC7A7-2525H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC7A7 protein(459-511 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 459-511 aa                                                                                                                                                                                                                                                                          |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | LIIRVPEHKRPLYLRRIVGSATRYLQVLCMSVAAEMDLEDGGEMPKQRDPKSN                                                                                                                                                                                                                               |
| <b>Purity</b>           | 95%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.<br>Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.                                                                                                              |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | SLC7A7 solute carrier family 7 (amino acid transporter light chain, y+L system), member 7 [ Homo sapiens ]                                                                                                                                                                                                                  |
| <b>Official Symbol</b> | SLC7A7                                                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>        | SLC7A7; solute carrier family 7 (amino acid transporter light chain, y+L system), member 7; LPI; Y+L amino acid transporter 1; y+LAT 1; monocyte amino acid permease 2; y(+)-L-type amino acid transporter 1; solute carrier family 7 (cationic amino acid transporter, y+ system), member 7; LAT3; MOP-2; Y+LAT1; y+LAT-1; |
| <b>Gene ID</b>         | 9056                                                                                                                                                                                                                                                                                                                        |
| <b>mRNA Refseq</b>     | NM_001126105                                                                                                                                                                                                                                                                                                                |
| <b>Protein Refseq</b>  | NP_001119577                                                                                                                                                                                                                                                                                                                |
| <b>MIM</b>             | 603593                                                                                                                                                                                                                                                                                                                      |
| <b>UniProt ID</b>      | Q9UM01                                                                                                                                                                                                                                                                                                                      |

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