

## Recombinant Human SLC2A5 protein, GST-tagged

**Cat. No.** SLC2A5-1888H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                              |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human SLC2A5 protein(357-399 aa), fused to GST tag, was expressed in E. coli.                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                        |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 357-399 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, pH8.). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 100mM GSH. |
| <b>AA Sequence</b>      | CVLTAALALQDTVSWMPYISIVCVISYVIGHALGPSPIPALLI                                                                                                                                                                                                                                  |
| <b>Purity</b>           | 90%, 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

|                 |                                                                                                                                                                                                                                                          |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | SLC2A5 solute carrier family 2 (facilitated glucose/fructose transporter), member 5 [ Homo sapiens ]                                                                                                                                                     |
| Official Symbol | SLC2A5                                                                                                                                                                                                                                                   |
| Synonyms        | SLC2A5; solute carrier family 2 (facilitated glucose/fructose transporter), member 5; GLUT5; solute carrier family 2, facilitated glucose transporter member 5; glucose transporter-like protein 5; glucose transporter type 5, small intestine; GLUT-5; |
| Gene ID         | 6518                                                                                                                                                                                                                                                     |
| mRNA Refseq     | NM_001135585                                                                                                                                                                                                                                             |
| Protein Refseq  | NP_001129057                                                                                                                                                                                                                                             |
| MIM             | 138230                                                                                                                                                                                                                                                   |
| UniProt ID      | P22732                                                                                                                                                                                                                                                   |

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