

PRODUCT INFORMATION

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| Target | SLC2A4 |
| Synonyms | GLUT4 |
| Description | Recombinant Human SLC2A4 with C-terminal human Fc tag |
| Delivery | In Stock |
| Uniprot ID | P14672 |
| Expression Host | HEK293 |
| Tag | C-Human Fc Tag |
| Molecular Characterization | SLC2A4(Asn46-Thr78) hFc(Glu99-Ala330) |
| Molecular Weight | The protein has a predicted molecular mass of 29.7 kDa after removal of the signal peptide. The apparent molecular mass of SLC2A4-hFc is approximately 35-55 kDa due to glycosylation. |
| Purity | The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Storage&Shipping | Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature. |
| Background | This gene is a member of the solute carrier family 2 (facilitated glucose transporter) family and encodes a protein that functions as an insulin-regulated facilitative glucose transporter. In the absence of insulin, this integral membrane protein is sequestered within the cells of muscle and adipose tissue. Within minutes of insulin stimulation, the protein moves to the cell surface and begins to transport glucose across the cell membrane. Mutations in this gene have been associated with noninsulin-dependent diabetes mellitus (NIDDM). [provided by RefSeq, Jul 2008] |
| Usage | Research use only |
| Conjugate | Unconjugated |



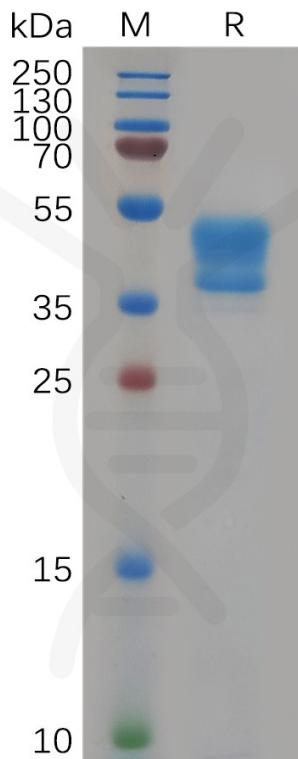


Figure 1. Human SLC2A4 Protein, hFc Tag on SDS-PAGE under reducing condition.

