

# Recombinant Human SLC2A1 Protein, His-tagged, OVA Conjugated

**Cat. No.** SLC2A1-2835H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | OVA Conjugated Recombinant Human SLC2A1 Protein (Asn34-Ser66) fused with a N-His tag.                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | Protein Conjugation                                                                                                                                                                                                                                                                                                                                                |
| <b>ProteinLength</b>    | Asn34-Ser66                                                                                                                                                                                                                                                                                                                                                        |
| <b>Description</b>      | This gene encodes a major glucose transporter in the mammalian blood-brain barrier. The encoded protein is found primarily in the cell membrane and on the cell surface, where it can also function as a receptor for human T-cell leukemia virus (HTLV) I and II. Mutations in this gene have been found in a family with paroxysmal exertion-induced dyskinesia. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 33 kDa                                                                                                                                                                                                                                                                                                                                   |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications</b>     | Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                           |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                                                                                                                                                                                                                                                               |

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

**Conjugation**

OVA

## GENE INFORMATION

**Gene Name**

[SLC2A1 solute carrier family 2 member 1 \[ Homo sapiens \(human\) \]](#)

**Official Symbol**

[SLC2A1](#)

**Synonyms**

SLC2A1; solute carrier family 2 member 1; CSE; PED; DYT9; GLUT; DYT17; DYT18; EIG12; GLUT1; HTLVR; GLUT-1; SDCHCN; GLUT1DS; solute carrier family 2, facilitated glucose transporter member 1; choreoathetosis/spasticity, episodic (paroxysmal choreoathetosis/spasticity); dystonia gene 18; dystonia gene 9; glucose transporter type 1, erythrocyte/brain; hepG2 glucose transporter; human T-cell leukemia virus (I and II) receptor; receptor for HTLV-1 and HTLV-2; solute carrier family 2 (facilitated glucose transporter), member 1

**Gene ID**

[6513](#)

**mRNA Refseq**

[NM\\_006516](#)

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|                |           |
|----------------|-----------|
| Protein Refseq | NP_006507 |
| MIM            | 138140    |
| UniProt ID     | P11166    |

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