

## Recombinant SLC5A1, GST-tagged

Cat. No. SLC5A1-2776H    Lot. No. (See product label)

### SPECIFICATION

|                  |                                                                                                                                                                   |
|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Overview | Recombinant Human SLC5A1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.                                                        |
| Species          | Human                                                                                                                                                             |
| Source           | E.coli                                                                                                                                                            |
| ProteinLength    | 160-411aa                                                                                                                                                         |
| Storage          | The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.                                                                         |
| Storage Buffer   | 1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM GSH and 1% Triton X-100, 15% glycerol. |

### GENE INFORMATION

|                 |                                                                                                                                                                                                                       |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Gene Name       | SLC5A1 solute carrier family 5 (sodium/glucose cotransporter), member 1 [ Homo sapiens ]                                                                                                                              |
| Official Symbol | SLC5A1                                                                                                                                                                                                                |
| Synonyms        | SLC5A1; solute carrier family 5 (sodium/glucose cotransporter), member 1; SGLT1; sodium/glucose cotransporter 1; D22S675; NAGT; Na <sup>+</sup> /glucose cotransporter 1; high affinity sodium-glucose cotransporter; |

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|                            |                                                                                                                                                                                                                                                                 |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 6523                                                                                                                                                                                                                                                            |
| <b>mRNA Refseq</b>         | NM_000343                                                                                                                                                                                                                                                       |
| <b>Protein Refseq</b>      | NP_000334                                                                                                                                                                                                                                                       |
| <b>MIM</b>                 | 182380                                                                                                                                                                                                                                                          |
| <b>UniProt ID</b>          | P13866                                                                                                                                                                                                                                                          |
| <b>Chromosome Location</b> | 22q12.3                                                                                                                                                                                                                                                         |
| <b>Pathway</b>             | Bile secretion, organism-specific biosystem; Bile secretion, conserved biosystem; Carbohydrate digestion and absorption, organism-specific biosystem; Carbohydrate digestion and absorption, conserved biosystem; Hexose transport, organism-specific biosystem |
| <b>Function</b>            | glucose:sodium symporter activity; protein binding; symporter activity; transporter activity;                                                                                                                                                                   |