

## Recombinant Rat Slc5a2 Protein, His-tagged

Cat. No. Slc5a2-2078R Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Rat Slc5a2 Protein (Thr546-Ala648) with N-His tag was expressed in E. coli.   |
| <b>Species</b>          | Rat   |
| <b>Source</b>           | E.coli  |
| <b>ProteinLength</b>    | Thr546-Ala648   |
| <b>Description</b>      | Enables glucose:sodium symporter activity. Involved in glucose transmembrane transport; negative regulation of urine volume; and renal potassium excretion. Located in brush border membrane. Is integral component of membrane. Used to study hypertension. Human ortholog(s) of this gene implicated in renal glycosuria. Orthologous to human SLC5A2 (solute carrier family 5 member 2). |
| <b>Form</b>             | Freeze-dried powder   |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 11.3 kDa  |
| <b>Purity</b>           | > 97%   |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.  |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for   |

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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.

## GENE INFORMATION

**Gene Name**

Slc5a2 solute carrier family 5 member 2 [ *Rattus norvegicus* (Norway rat) ]

**Official Symbol**

Slc5a2

**Synonyms**

Slc5a2; solute carrier family 5 member 2; Sglt2; sodium/glucose cotransporter 2; Na(+)/glucose cotransporter 2; low affinity Na-dependent glucose transporter (SGLT2); low affinity sodium-glucose cotransporter; solute carrier family 5 (sodium/glucose cotransporter), member 2

**Gene ID**

64522

**mRNA Refseq**

NM\_022590

**Protein Refseq**

NP\_072112

**UniProt ID**

P53792

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