Recombinant Rat Slc5a2 Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Rat Slc5a2 Protein (Thr546-Ala648) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Thr546-Ala648
Description	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).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 11.3 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	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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