

Recombinant Rat Slc4a1 Protein, His&GST-tagged

Cat. No. Slc4a1-403R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Slc4a1 Protein (Ile558-Phe675) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ile558-Phe675
Description	Enables actin binding activity; enzyme binding activity; and protein C-terminus binding activity. Involved in several processes, including positive regulation of T cell proliferation; response to alkaline pH; and response to carbon dioxide. Located in several cellular components, including Z disc; basolateral plasma membrane; and intercalated disc. Biomarker of iron deficiency anemia; metabolic acidosis; and renal tubular acidosis. Human ortholog(s) of this gene implicated in congenital hemolytic anemia; hereditary spherocytosis; hereditary spherocytosis type 4; malaria; and renal tubular acidosis. Orthologous to human SLC4A1 (solute carrier family 4 member 1 (Diego blood group)).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 43.2 kDa Accurate Molecular Mass: 43 kDa
Purity	> 97%

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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 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, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Slc4a1 solute carrier family 4 member 1 (Diego blood group) [Rattus norvegicus (Norway rat)]
Official Symbol	Slc4a1
Synonyms	Slc4a1; solute carrier family 4 member 1 (Diego blood group); band 3 anion transport protein; AE 1; Solute carrier family 4, member 1, anion exchange protein 1 (kidney band 3); anion exchange protein 1; anion exchanger 1; solute carrier family 4 (anion exchanger), member 1
Gene ID	24779
mRNA Refseq	NM_012651
Protein Refseq	NP_036783

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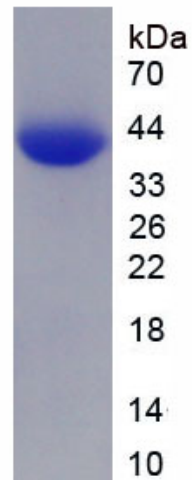
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UniProt ID

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