

Recombinant Rat Slc19a1 Protein, His-tagged, OVA Conjugated

Cat. No. Slc19a1-2834R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	OVA Conjugated Recombinant Rat Slc19a1 Protein (Val7-Leu22) fused with a N-His tag.
Species	Rat
Source	Protein Conjugation
ProteinLength	Val7-Leu22
Description	Enables folate:anion antiporter activity; folic acid binding activity; and methotrexate transmembrane transporter activity. Involved in female pregnancy; folic acid transport; and methotrexate transport. Located in apical plasma membrane; basolateral plasma membrane; and brush border membrane. Biomarker of chronic kidney disease. Human ortholog(s) of this gene implicated in cleft lip; dextro-looped transposition of the great arteries; hematologic cancer; and malaria. Orthologous to human SLC19A1 (solute carrier family 19 member 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 16 kDa
Purity	> 90%
Applications	Immunogen; SDS-PAGE; WB.

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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, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
Conjugation	OVA

GENE INFORMATION

Gene Name	Slc19a1 solute carrier family 19 member 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Slc19a1
Synonyms	Slc19a1; solute carrier family 19 member 1; MTX1; MTX-1; reduced folate transporter; RFC-1; RFC1; folate transporter 1; methotrexate carrier 1; methotrexate carrier 2; methotrexate carrier 5; methotrexate carrier 6; reduced folate carrier 1; solute carrier family 19 (folate transporter), member 1; solute carrier family 19 (sodium/hydrogen exchanger), member 1
Gene ID	29723
mRNA Refseq	NM_017299
Protein Refseq	NP_058995

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UniProt ID

Q62866

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