

# Recombinant Rat Slc19a1 Protein, His-tagged, OVA Conjugated

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

## SPECIFICATION

<b>Product Overview</b>	OVA Conjugated Recombinant Rat Slc19a1 Protein (Val7-Leu22) fused with a N-His tag.
<b>Species</b>	Rat
<b>Source</b>	Protein Conjugation
<b>ProteinLength</b>	Val7-Leu22
<b>Description</b>	<p>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.</p> <p>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).</p>
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 16 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Immunogen; SDS-PAGE; WB.

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<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 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.
<b>Conjugation</b>	OVA

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Slc19a1 solute carrier family 19 member 1 [ Rattus norvegicus (Norway rat) ]</a>
<b>Official Symbol</b>	<a href="#">Slc19a1</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">29723</a>
<b>mRNA Refseq</b>	<a href="#">NM_017299</a>
<b>Protein Refseq</b>	<a href="#">NP_058995</a>

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