

Recombinant Rat Slc1a2 Protein, His&GST-tagged

Cat. No. Slc1a2-2061R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Slc1a2 Protein (Met1-Asn44) with N-His&GST tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Met1-Asn44
Description	Enables high-affinity glutamate transmembrane transporter activity. Involved in L-glutamate transmembrane transport. Located in several cellular components, including astrocyte projection; dendrite; and presynaptic membrane. Is integral component of plasma membrane. Part of membrane protein complex. Human ortholog(s) of this gene implicated in developmental and epileptic encephalopathy 41. Orthologous to human SLC1A2 (solute carrier family 1 member 2).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 35 kDa Accurate Molecular Mass: 38 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

GENE INFORMATION

Gene Name	Slc1a2 solute carrier family 1 member 2 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Slc1a2
Synonyms	Slc1a2; solute carrier family 1 member 2; Glt; Eaat2; Glt-1; excitatory amino acid transporter 2; glial glutamate transporter GLT1/V3; glial glutamate transporter GLT1/V4; glutamate transporter 1; high affinity glucose transporter; sodium-dependent glutamate/aspartate transporter 2; solute carrier family 1 (glial high affinity glutamate transporter), member 2
Gene ID	29482
mRNA Refseq	NM_017215
Protein Refseq	NP_058911
UniProt ID	P31596

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