

Recombinant Rat Slc1a2 Protein, His&GST-tagged

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

SPECIFICATION

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| 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. |

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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. |

GENE INFORMATION

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| Gene Name | Slc1a2 solute carrier family 1 member 2 [Rattus norvegicus (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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