

Recombinant Human SLC1A1, GST-tagged

Cat. No. SLC1A1-2703H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC1A1 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	430-524aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	SLC1A1 solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1 [Homo sapiens]
Official Symbol	SLC1A1
Synonyms	SLC1A1; solute carrier family 1 (neuronal/epithelial high affinity glutamate transporter, system Xag), member 1; excitatory amino acid transporter 3; EAAC1; EAAT3; excitatory amino acid carrier 1; solute carrier family 1 member 1; neuronal and

 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

epithelial glutamate transporter; sodium-dependent glutamate/aspartate transporter 3;

Gene ID [6505](#)

mRNA Refseq [NM_004170](#)

Protein Refseq [NP_004161](#)

MIM [133550](#)

UniProt ID [P43005](#)

Chromosome Location 9p24

Pathway Glutamate Neurotransmitter Release Cycle, organism-specific biosystem; Glutamatergic synapse, organism-specific biosystem; Glutamatergic synapse, conserved biosystem; Neuronal System, organism-specific biosystem; Neurotransmitter Release Cycle, organism-specific biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem;

Function L-glutamate transmembrane transporter activity; glutamate binding; glutamate:sodium symporter activity; sodium:dicarboxylate symporter activity; symporter activity;

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