

Recombinant Human SLC1A2 protein, His-tagged

Cat. No. SLC1A2-2584H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC1A2 protein(460-574 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	460-574 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	PTEDISLLVAVDWLLDRMRTSVNVVGDSFGAGIVYHLSKSELDTIDSQHRVHEDIEMT KTQSIYDDMKNHRESNSNQCVYAAHNSVIVDECKVTLAANGKSADCSVEEPPWKRE K
Purity	80%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.
Reconstitution	Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25

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g/μl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name	SLC1A2 solute carrier family 1 (glial high affinity glutamate transporter), member 2 [Homo sapiens]
Official Symbol	SLC1A2
Synonyms	SLC1A2; solute carrier family 1 (glial high affinity glutamate transporter), member 2; excitatory amino acid transporter 2; EAAT2; GLT 1; glutamate/aspartate transporter II; excitotoxic amino acid transporter 2; sodium-dependent glutamate/aspartate transporter 2; GLT-1;
Gene ID	6506
mRNA Refseq	NM_001195728
Protein Refseq	NP_001182657
MIM	600300
UniProt ID	P43004

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