

Recombinant Human SLC1A3 Protein (1-542), N-GST-tagged

Cat. No. SLC1A3-298H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human SLC1A3 full-length ORF (NP_004163.2, 1 a.a. - 542 a.a.) recombinant protein with GST-tag at N-terminal was expressed in Wheat Germ (in vitro).
Species	Human
Source	Wheat Germ
ProteinLength	1-542
Description	This gene encodes a member of a member of a high affinity glutamate transporter family. This gene functions in the termination of excitatory neurotransmission in central nervous system. Mutations are associated with episodic ataxia, Type 6. Alternative splicing results in multiple transcript variants.
Molecular Mass	85.9 kDa
AA Sequence	MTKSNGEETPKMGGRMERFQQGVSKRTLLAKKKVQNITKEDVKSylFRNAFVLLTVT AVIVGTILGFTLRPYRMSYREVKYFSFPGELLMRMLQMLVLPLISSLVTGMAALDSKA SGKMGMRAVYYMTTIIIAVIGIIIIHPGKGTKENMHREGKIVRVTAADAFLDLIRN MFPPNLVEACFKQFKTNYEKRSFKVPIQANETLVGAVINNVSEAMETLTRITEELVPV PGSVNGVNALGLVVFMSCFGVIGNMKEQGQALREFFDSLNEAIMRLVAVIMWYAP VGILFLIAGKIVEMEDMGVIGGQLAMYTDTVIVGLLIHAVIVLPLLYFLVTRKNPWVFIG GLLQALITALGTSSSSATLPITFKCLEENNGVDKRVTRFVLPVGATINMDGTALYEALA AIFIAQVNNFELNFGQIITISITATAASIGAAGIPQAGLVTMVIVLTSVGLPTDDITLIAVD WFLDRLRTTTNVLGDSLGAIVEHLRHELNKRDVEMGNSVIEENEMKKPYQLIAQD

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	SLC1A3 solute carrier family 1 member 3 [Homo sapiens (human)]
Official Symbol	SLC1A3
Synonyms	SLC1A3; solute carrier family 1 member 3; EA6; EAAT1; GLAST; GLAST1; excitatory amino acid transporter 1; GLAST-1; glutamate/aspartate transporter 1; sodium-dependent glutamate/aspartate transporter 1; solute carrier family 1 (glial high affinity glutamate transporter), member 3
Gene ID	6507
mRNA Refseq	NM_004172
Protein Refseq	NP_004163
MIM	600111

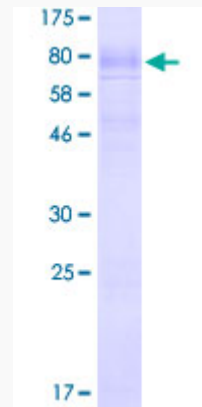
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UniProt ID

P43003

**Quality Control
Testing**

12.5% SDS-PAGE Stained with Coomassie Blue.

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