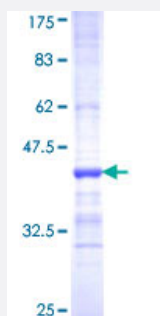


SLC1A2 (Human) Recombinant Protein (Q01)

Catalog # H00006506-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SLC1A2 partial ORF (NP_004162, 160 a.a. - 239 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	DEVSSLD AFLDLIRNLPENLVQACFQQIQTVTKKVLVAPPPDEEANATSAVV SLLNETVTEVP EETKMVIKKGLEFKDG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	34.54
Interspecies Antigen Sequence	Mouse (88); Rat (89)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — SLC1A2

Entrez GeneID [6506](#)

GeneBank Accession# [NM_004171](#)

Protein Accession# [NP_004162](#)

Gene Name SLC1A2

Gene Alias EAAT2, GLT-1

Gene Description solute carrier family 1 (glial high affinity glutamate transporter), member 2

Omim ID [600300](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene encodes a member of a family of solute transporter proteins. The membrane-bound protein is the principal transporter that clears the excitatory neurotransmitter glutamate from the extra cellular space at synapses in the central nervous system. Glutamate clearance is necessary for proper synaptic activation and to prevent neuronal damage from excessive activation of glutamate receptors. Mutations in and decreased expression of this protein are associated with amyotrophic lateral sclerosis. Alternatively spliced transcript variants of this gene have been described, but the full-length nature is not known. [provided by RefSeq]

Other Designations excitatory amino acid transporter 2|excitotoxic amino acid transporter 2|glial high affinity glutamate transporter|glutamate/aspartate transporter||sodium-dependent glutamate/aspartate transporter 2|solute carrier family 1, member 2

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)

Disease

- [Alcoholism](#)
- [Child Development Disorders](#)
- [Cognition](#)
- [Genetic Predisposition to Disease](#)
- [Mental Disorders](#)
- [Multiple Sclerosis](#)
- [Personality Tests](#)
- [Postmortem Changes](#)
- [Reward](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)