

Excitatory amino acid transporter 2 Recombinant Protein | Slc1a2 recombinant protein

Recombinant Mouse Excitatory amino acid transporter 2

CATALOG # AAA114120	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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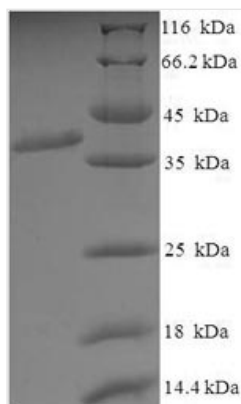
PRODUCT SYNONYMS

Excitatory amino acid transporter 2; Recombinant Mouse Excitatory amino acid transporter 2; GLT-1; Sodium-dependent glutamate/aspartate transporter 2; Solute carrier family 1 member 2; Slc1a2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	143-238. Partial-length
Sequence	HPGNPKLKKQ LGPGKKNDEV SSLDAFLDLI RNLFPENLVQ ACFQQIQTVT KKVLVAPPSE EANTTKAVIS MLNETMNEAP EETKIVIKKG LEFKDG
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Slc1a2 recombinant protein	Transports L-glutamate and also L- and D-aspartate. Essential for terminating the postsynaptic action of glutamate by rapidly removing released glutamate from the synaptic cleft. Acts as a symport by cotransporting sodium.
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References	Mouse excitatory amino acid transporter EAAT2 isolation, characterization, and proximity to neuroexcitability loci on mouse chromosome 2.Kirschner M.A., Copeland N.G., Gilbert D.J., Jenkins N.A., Amara S.G.Genomics 24:218-224(1994) Molecular cloning of two glutamate transporter subtypes from mouse brain.Mukainaka Y., Tanaka K., Hagiwara T., Wada K.Biochim. Biophys. Acta 1244:233-237(1995) Molecular characterization of a high-affinity mouse glutamate transporter.Sutherland M.L., Delaney T.A., Noebels J.L.Gene 162:271-274(1995) Peng J.-B., Guo L.-H. Tissue specific variants of glutamate transporter GLT-1.Utsunomiya-Tate N., Endou H., Kanai Y.FEBS Lett. 416:312-316(1997) Lubec G., Kang S.U.Submitted (APR-2007) to UniProtKB Large-scale identification and evolution indexing of tyrosine phosphorylation sites from murine brain.Ballif B.A., Carey G.R., Sunyaev S.R., Gygi S.P.J. Proteome Res. 7:311-318(2008) Palmitoylation and function of glial glutamate transporter-1 is reduced in the YAC128 mouse model of Huntington disease.Huang K., Kang M.H., Askew C., Kang R., Sanders S.S., Wan J., Davis N.G., Hayden M.R.Neurobiol. Dis. 40:207-215(2010)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	117606277
NCBI GeneID	20511
NCBI Accession #	NP_001070982.1
NCBI GenBank Nucleotide #	NM_001077514.3
UniProt Accession #	P43006; O35877; O54686; O54687
Molecular Weight	37.6 kDa
NCBI Official Full Name	excitatory amino acid transporter 2 isoform 1
NCBI Official Synonym Full Names	solute carrier family 1 (glial high affinity glutamate transporter), member 2
NCBI Official Symbol	Slc1a2
NCBI Official Synonym Symbols	GLT1; Eaat2; GLT-1; MGLT1; AI159670; 1700091C19Rik; 2900019G14Rik
NCBI Protein Information	excitatory amino acid transporter 2
UniProt Protein Name	Excitatory amino acid transporter 2
UniProt Gene Name	Slc1a2
UniProt Synonym Gene Names	Eaat2; Glt1
UniProt Entry Name	EAA2_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.