

Product datasheet for **RC230852L2V**

EAAT2 (SLC1A2) (NM_001195728) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	EAAT2 (SLC1A2) (NM_001195728) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EAAT2
Synonyms:	DEE41; EAAT2; EIEE41; GLT-1; HBGT
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
Tag:	mGFP
ACCN:	NM_001195728
ORF Size:	1722 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC230852).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001195728.2 , NP_001182657.1
RefSeq Size:	11659 bp
RefSeq ORF:	1698 bp
Locus ID:	6506
UniProt ID:	P43004
Cytogenetics:	11p13
Protein Families:	Transmembrane
Protein Pathways:	Amyotrophic lateral sclerosis (ALS)

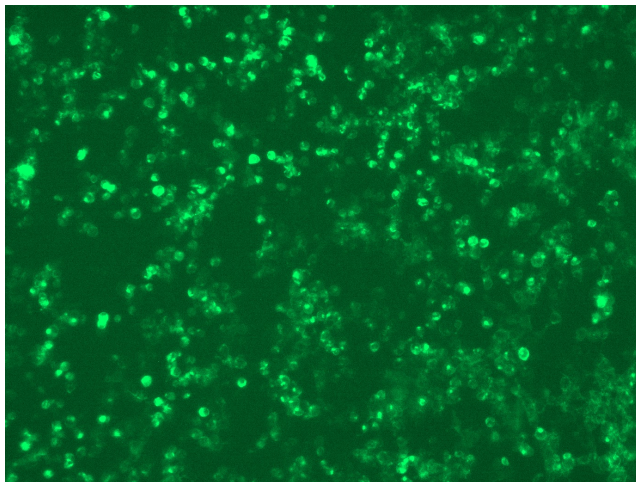


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MW: 62.1 kDa

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 extracellular 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. Improper regulation of this gene is thought to be associated with several neurological disorders. Alternatively spliced transcript variants of this gene have been identified. [provided by RefSeq, Jun 2017]

Product images:



[RC230852L2] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC230852L2V particle to overexpress human SLC1A2-mGFP fusion protein.