

Product datasheet for **RC223924L4V**

EAAT2 (SLC1A2) (NM_004171) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | EAAT2 (SLC1A2) (NM_004171) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SLC1A2 |
| Synonyms: | DEE41; EAAT2; EIEE41; GLT-1; HBGT |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_004171 |
| ORF Size: | 1722 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC223924). |
| 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_004171.2 , NP_004162.2 |
| RefSeq Size: | 11692 bp |
| RefSeq ORF: | 1725 bp |
| Locus ID: | 6506 |
| UniProt ID: | P43004 |
| Cytogenetics: | 11p13 |
| Domains: | SDF |
| Protein Families: | Transmembrane |



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Protein Pathways: Amyotrophic lateral sclerosis (ALS)

MW: 61.9 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]