

## Product datasheet for **RC206281L3V**

### EAAT3 (SLC1A1) (NM\_004170) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	EAAT3 (SLC1A1) (NM_004170) Human Tagged ORF Clone Lentiviral Particle
Symbol:	EAAT3
Synonyms:	DCBXA; EAAC1; EAAT3; SCZD18
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_004170
ORF Size:	1572 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC206281).
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. <a href="#">More info</a>
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:	<a href="#">NM_004170.4</a>
RefSeq Size:	3757 bp
RefSeq ORF:	1575 bp
Locus ID:	6505
UniProt ID:	<a href="#">P43005</a>
Cytogenetics:	9p24.2
Domains:	SDF
Protein Families:	Druggable Genome, Transmembrane



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**MW:** 57.1 kDa

**Gene Summary:** This gene encodes a member of the high-affinity glutamate transporters that play an essential role in transporting glutamate across plasma membranes. In brain, these transporters are crucial in terminating the postsynaptic action of the neurotransmitter glutamate, and in maintaining extracellular glutamate concentrations below neurotoxic levels. This transporter also transports aspartate, and mutations in this gene are thought to cause dicarboxylicamino aciduria, also known as glutamate-aspartate transport defect. [provided by RefSeq, Mar 2010]