

Product datasheet for **RC219066L4V**

SLC38A1 (NM_030674) Human Tagged ORF Clone Lentiviral Particle

Product data:

| | |
|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | SLC38A1 (NM_030674) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SLC38A1 |
| Synonyms: | ATA1; NAT2; SAT1; SNAT1 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_030674 |
| ORF Size: | 1461 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC219066). |
| 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_030674.3 |
| RefSeq Size: | 8487 bp |
| RefSeq ORF: | 1464 bp |
| Locus ID: | 81539 |
| UniProt ID: | Q9H2H9 |
| Cytogenetics: | 12q13.11 |
| Domains: | Aa_trans |
| Protein Families: | Transmembrane |



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MW: 54 kDa

Gene Summary: Amino acid transporters play essential roles in the uptake of nutrients, production of energy, chemical metabolism, detoxification, and neurotransmitter cycling. SLC38A1 is an important transporter of glutamine, an intermediate in the detoxification of ammonia and the production of urea. Glutamine serves as a precursor for the synaptic transmitter, glutamate (Gu et al., 2001 [PubMed 11325958]).[supplied by OMIM, Mar 2008]