

Product datasheet for **RC208972L4V**

Synaptophysin (SYP) (NM_003179) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Synaptophysin (SYP) (NM_003179) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Synaptophysin |
| Synonyms: | MRX96; MRXSYP |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_003179 |
| ORF Size: | 939 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC208972). |
| 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_003179.2 |
| RefSeq Size: | 2449 bp |
| RefSeq ORF: | 942 bp |
| Locus ID: | 6855 |
| UniProt ID: | P08247 |
| Cytogenetics: | Xp11.23 |
| Protein Families: | Secreted Protein, Transmembrane |
| MW: | 33.9 kDa |



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Gene Summary:

This gene encodes an integral membrane protein of small synaptic vesicles in brain and endocrine cells. The protein also binds cholesterol and is thought to direct targeting of vesicle-associated membrane protein 2 (synaptobrevin) to intracellular compartments. Mutations in this gene are associated with an X-linked form of cognitive disability. [provided by RefSeq, Jul 2017]