

Product datasheet for **RC226541L4V**

Secretogranin V (SCG5) (NM_001144757) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | Secretogranin V (SCG5) (NM_001144757) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | Secretogranin V |
| Synonyms: | 7B2; P7B2; SGNE1; SgV |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001144757 |
| ORF Size: | 633 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC226541). |
| 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_001144757.1 |
| RefSeq ORF: | 639 bp |
| Locus ID: | 6447 |
| UniProt ID: | P05408 |
| Cytogenetics: | 15q13.3 |
| Protein Families: | Secreted Protein |
| MW: | 23.5 kDa |



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Gene Summary:

This gene encodes a secreted chaperone protein that prevents the aggregation of other secreted proteins, including proteins that are associated with neurodegenerative and metabolic disease. The encoded protein may be best known for its role in the trafficking and activation of prohormone convertase PC2 (encoded by Gene ID: 5126). Phosphorylation of the encoded protein has been shown to have an inhibitory effect on its chaperone function. This gene also produces a ARHGAP11A-SCG5 readthrough transcript and ARHGAP11A-SCG5 protein. [provided by RefSeq, Feb 2019]