

## Product datasheet for RC208436L3

## SEC63 (NM\_007214) Human Tagged Lenti ORF Clone

NM\_007214

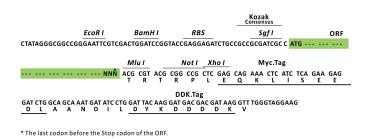
2280 bp

## **Product data:**

## OriGene Technologies, Inc.

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| Product Type:                | Expression Plasmids  |
|------------------------------|--|
| Product Name:                | SEC63 (NM_007214) Human Tagged Lenti ORF Clone   |
| Tag:                         | Myc-DDK  |
| Symbol:                      | SEC63  |
| Synonyms:                    | DNAJC23; ERdj2; PCLD2; PRO2507; SEC63L   |
| Mammalian Cell<br>Selection: | Puromycin  |
| Vector:                      | pLenti-C-Myc-DDK-P2A-Puro (PS100092)   |
| E. coli Selection:           | Chloramphenicol (34 ug/mL)   |
| ORF Nucleotide<br>Sequence:  | The ORF insert of this clone is exactly the same as(RC208436).                             |
| <b>Restriction Sites:</b>    | Sgfl-Mlul  |
| Cloning Scheme:              | Cloning sites used for ORF Shuttling:  |
|                              | Sgf I         ORF         Mlu I            GCG ATC GCIC         ATG // NNN         ACG CGT |



ACCN: ORF Size:

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| SEC63 (NM_007214) Human Tagged Lenti ORF Clone – RC208436L3 |  |
|---|--|
| 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. <u>More info</u>  |
| OTI Annotation:   | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.   |
| Components:   | The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).   |
| Reconstitution Method:                                      | <ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>   |
| RefSeq:   | <u>NM 007214.3</u>   |
| RefSeq Size:  | 6500 bp  |
| RefSeq ORF:   | 2283 bp  |
| Locus ID:   | 11231  |
| UniProt ID:   | Q9UGP8   |
| Cytogenetics:   | 6q21   |
| Domains:  | DnaJ, Sec63  |
| Protein Families:   | Transmembrane  |
| MW:   | 88 kDa   |
| Gene Summary:   | The Sec61 complex is the central component of the protein translocation apparatus of the endoplasmic reticulum (ER) membrane. The protein encoded by this gene and SEC62 protein are found to be associated with ribosome-free SEC61 complex. It is speculated that Sec61-Sec62-Sec63 may perform post-translational protein translocation into the ER. The Sec61-Sec62-Sec63 complex might also perform the backward transport of ER proteins that are subject to the ubiquitin-proteasome-dependent degradation pathway. The encoded protein is an integral membrane protein located in the rough ER. [provided by RefSeq, Jul 2008] |

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