

Product datasheet for **RC209509L2V**

SF3B3 (NM_012426) Human Tagged ORF Clone Lentiviral Particle

Product data:

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|---------------------------|--|
| Product Type: | Lentiviral Particles |
| Product Name: | SF3B3 (NM_012426) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SF3B3 |
| Synonyms: | RSE1; SAP130; SF3b130; STAF130 |
| Mammalian Cell Selection: | None |
| Vector: | pLenti-C-mGFP (PS100071) |
| Tag: | mGFP |
| ACCN: | NM_012426 |
| ORF Size: | 3651 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC209509). |
| 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_012426.3 |
| RefSeq Size: | 9736 bp |
| RefSeq ORF: | 3654 bp |
| Locus ID: | 23450 |
| UniProt ID: | Q15393 |
| Cytogenetics: | 16q22.1 |
| Domains: | CPSF_A |
| Protein Pathways: | Spliceosome |



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MW: 135.5 kDa

Gene Summary: This gene encodes subunit 3 of the splicing factor 3b protein complex. Splicing factor 3b, together with splicing factor 3a and a 12S RNA unit, forms the U2 small nuclear ribonucleoproteins complex (U2 snRNP). The splicing factor 3b/3a complex binds pre-mRNA upstream of the intron's branch site in a sequence independent manner and may anchor the U2 snRNP to the pre-mRNA. Splicing factor 3b is also a component of the minor U12-type spliceosome. Subunit 3 has also been identified as a component of the STAGA (SPT3-TAF(II)31-GCN5L acetylase) transcription coactivator-HAT (histone acetyltransferase) complex, and the TFTC (TATA-binding-protein-free TAF(II)-containing complex). These complexes may function in chromatin modification, transcription, splicing, and DNA repair. [provided by RefSeq, Jul 2008]