

OriGene Technologies, Inc.

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Product datasheet for RC230349L4V

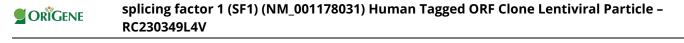
splicing factor 1 (SF1) (NM_001178031) Human Tagged ORF Clone Lentiviral Particle

Product data:

| Product Type: | Lentiviral Particles |
|------------------------------|---|
| Product Name: | splicing factor 1 (SF1) (NM_001178031) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | SF1 |
| Synonyms: | BBP; D11S636; MBBP; ZCCHC25; ZFM1; ZNF162 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001178031 |
| ORF Size: | 1839 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC230349). |
| 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. |
| RefSeq: | <u>NM 001178031.1</u> |
| RefSeq ORF: | 1842 bp |
| Locus ID: | 7536 |
| UniProt ID: | <u>Q15637</u> |
| Cytogenetics: | 11q13.1 |
| Protein Families: | Transcription Factors |
| MW: | 65.8 kDa |



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Gene Summary:This gene encodes a nuclear pre-mRNA splicing factor. The encoded protein specifically
recognizes the intron branch point sequence at the 3' splice site, together with the large
subunit of U2 auxiliary factor (U2AF), and is required for the early stages of spliceosome
assembly. It also plays a role in nuclear pre-mRNA retention and transcriptional repression.
The encoded protein contains an N-terminal U2AF ligand motif, a central hnRNP K homology
motif and quaking 2 region which bind a key branch-site adenosine within the branch point
sequence, a zinc knuckles domain, and a C-terminal proline-rich domain. Alternative splicing
results in multiple transcript variants. [provided by RefSeq, Oct 2016]

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