

Product datasheet for **RC200977L4V**

SF3B5 (NM_031287) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	SF3B5 (NM_031287) Human Tagged ORF Clone Lentiviral Particle
Symbol:	SF3B5
Synonyms:	SF3b10; Ysf3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031287
ORF Size:	258 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC200977).
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_031287.2
RefSeq Size:	786 bp
RefSeq ORF:	261 bp
Locus ID:	83443
UniProt ID:	Q9BWJ5
Cytogenetics:	6q24.2
Protein Pathways:	Spliceosome
MW:	10.1 kDa



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Gene Summary:

Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex, a constituent of the spliceosome (PubMed:27720643, PubMed:28781166). SF3B complex is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Sequence independent binding of SF3A/SF3B complex upstream of the branch site is essential, it may anchor U2 snRNP to the pre-mRNA (PubMed:12234937).[UniProtKB/Swiss-Prot Function]