

Product datasheet for **MG200641**

Sf3b6 (NM_025323) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Sf3b6 (NM_025323) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Sf3b6
Synonyms: 0610009D07Rik; 6030419K15Rik; AV001342; Sf3b14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200641 representing NM_025323
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGATGCAAGCGGCTAAGAGGGCGAATATTCGCCTCCACCTGAAGTAAATCGGATTTGTATATAA
GGAATTTGCCATACAAAATCACAGCAGAAGAAATGTATGATATTTGGGAAATATGGACCTATTCGTCA
AATCAGAGTAGGGAATACACCTGAAACCAGAGGAACAGCCTATGTGGTCTATGAGGACATCTTTGATGCT
AAGAATGCCTGCGACCACCTATCAGGATTCAACGTTTGTAAACAGATACCTTGTGGTTTTGTATTACAATG
CTAACCGGCATTTCAGAAGATGGACACCAAGAAGAAGGAGGAGCAGCTGAAACTTCTCAAGAAAAGTA
TGGCATCAACACAGATCCTCCAAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200641 representing NM_025323
Red=Cloning site Green=Tags(s)
MAMQAAKRANIRLPPEVNRILYIRNLPYKITAEMYDIFGKYGPIRQIRVGNTPETRGTAAYVVYEDIFDA
KNACDHLSGFNVCNRYLVVLYNANRAFQKMDTKKKEEQLKLLKEYGINTDPPK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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 style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. 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.
RefSeq:	NM_025323.2 , NP_079599.1
RefSeq Size:	1133 bp
RefSeq ORF:	378 bp
Locus ID:	66055
UniProt ID:	P59708
Cytogenetics:	12 A1.1
Gene Summary:	Involved in pre-mRNA splicing as a component of the splicing factor SF3B complex. SF3B complex is required for 'A' complex assembly formed by the stable binding of U2 snRNP to the branchpoint sequence (BPS) in pre-mRNA. Directly contacts the pre-mRNA branch site adenosine for the first catalytic step of splicing. Enters the spliceosome and associates with the pre-mRNA branch site as part of the 17S U2 or, in the case of the minor spliceosome, as part of the 18S U11/U12 snRNP complex, and thus may facilitate the interaction of these snRNP with the branch sites of U2 and U12 respectively.[UniProtKB/Swiss-Prot Function]