

Product datasheet for **RG201866**

SF3B14 (SF3B6) (NM_016047) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SF3B14 (SF3B6) (NM_016047) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SF3B14
Synonyms: CGI-110; HSPC175; Ht006; P14; SAP14; SAP14a; SF3B14; SF3B14a
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG201866 representing NM_016047
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGATGCAAGCGCCAAGAGGGCGAACATTCGACTCCACCTGAAGTAAATCGGATATTGTATATAA
GAAATTTGCCATACAAAATCACAGCTGAAGAAATGTATGATATATTTGGGAAATATGGACCTATTCGTCA
AATCAGAGTGGGGAACACACCTGAACTAGAGGAACAGCTTATGTGGTCTATGAGGACATCTTTGATGCC
AAGAATGCATGTGATCACCTATCGGATTCAATGTTTGTAAACAGATACCTTGTTGTTTGTACTATAATG
CCAACAGGGCATTTCAGAAGATGGACACAAAGAAGAAGGAGGAACAGTTGAAGCTTCTCAAGGAGAAATA
TGGCATCAACACAGATCCACAAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG201866 representing NM_016047
Red=Cloning site **Green**=Tags(s)

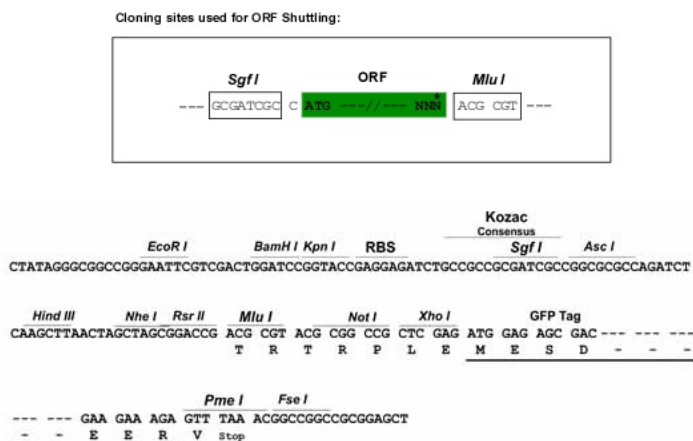
MAMQAAKRANIRLPPEVNRILYIRNLPYKITAEMYDIFGKYGPQRQIRVGNTPETRGTAAYVVYEDIFDA
KNACDHLSGFNVCNRYLVVLYNANRAFQKMDTKKKEEQLKLLKEYGINTDPPK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_016047

ORF Size: 375 bp

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.

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:

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_016047.4](#)

RefSeq Size: 783 bp

RefSeq ORF: 378 bp

Locus ID: 51639

UniProt ID: [Q9Y3B4](#)

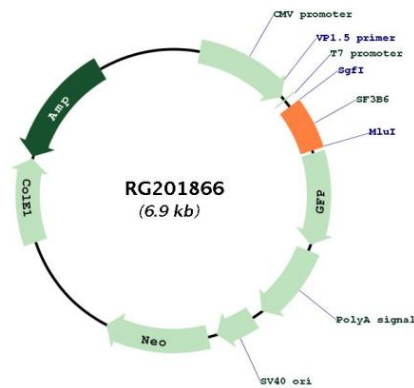
Cytogenetics: 2p23.3

Domains: RRM

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a 14 kDa protein subunit of the splicing factor 3b complex. Splicing factor 3b associates with both the U2 and U11/U12 small nuclear ribonucleoprotein complexes (U2 snRNP) of spliceosomes. This 14 kDa protein interacts directly with subunit 1 of the splicing factor 3b complex. This 14 kDa protein also interacts directly with the adenosine that carries out the first transesterification step of splicing at the pre-mRNA branch site. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG201866