

Product datasheet for **RG209667**

SFT2B (SFT2D2) (NM_199344) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SFT2B (SFT2D2) (NM_199344) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SFT2D2
Synonyms: dj747L4.C1.2; UNQ512
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209667 representing NM_199344
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACAAGCTGAAGAAGGTGCTGAGCGGGCAGGACACGGAGGACCGGAGCGGCCTGTCCGAGGTTGTTG
AGGCATCTTCATTAAGCTGGAGTACCAGGATAAAAAGGCTTCATTGCGTGTTCCTATAGGAATTCCTG
CTCACTGCTGGTACTGTTCTGCTGTGGTGCCAGGAAGGGACTACACCTCTTCGCAGTGTTCCTATACC
TTTGTAATATCGCATCAATTGGGAGTACCATCTCCTCATGGGACCAGTGAAACAGCTGAAGCGAATGT
TTGAGCCTACTCGTTTGATTGCAACTATCATGGTGTGTTGTGTTTGCACCTACCTGTGTTCTGCCTT
TTGGTGGCATAACAAGGGACTTGCACTTATCTTCTGCATTTTGCAGTCTTTGGCATTGACGTGGTACAGC
CTTTCCTTCATACCATTTGCAAGGGATGCTGTGAAGAAGTGTTCCTGCTGCTTTCGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209667 representing NM_199344
Red=Cloning site **Green**=Tags(s)

MDLKKVLSGQDTEDRSGLSEVVEASSLSWSTRIKGFACFAIGILCSLLGTVLLWVPRKGLHLFAVFYT
FGNIASIGSTIFLMGPVKQLKRMFEPTRLIATIMVLLCFALTLCSAFWWHNKGLALIFCQLQSLALTWYS
LSFIPFARDAVKKCFVCLA

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

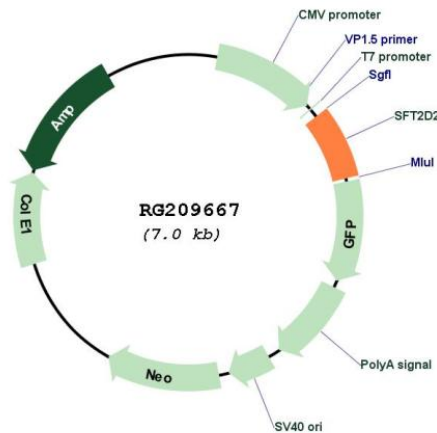


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Cloning Scheme:



Plasmid Map:



ACCN: NM_199344

ORF Size: 480 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:	<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:	<u>NM_199344.3</u>
RefSeq Size:	1155 bp
RefSeq ORF:	483 bp
Locus ID:	375035
UniProt ID:	<u>O95562</u>
Cytogenetics:	1q24.2
Protein Families:	Transmembrane
Gene Summary:	May be involved in fusion of retrograde transport vesicles derived from an endocytic compartment with the Golgi complex.[UniProtKB/Swiss-Prot Function]