

Product datasheet for **RG211457**

SWI5 (NM_001040011) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: SWI5 (NM_001040011) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: SWI5
Synonyms: C9orf119; SAE3
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211457 representing NM_001040011
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCAGCGGCGTGGCCAGAGGGACCTGTGGCGTCACAACAAAAGCTGCGCACGCAACCGCTGTCCCCGCC
CACCTCGGGAGAGGGGCGGGCCGGCTTTCCTTGGGTGCGCGCGCAGCTTCTGTGCGCCAGTTCACACT
CCGGGTCAGAGTTCCTGGCCCGGTGCACCTGAGAGGTCGCTCTCCGACTCCCGCGCTGGACCTCTTGCC
CCATTGAACCCCTGATCCGGGGCCTCGGACCCAGGGCTCAGGAGATGGATCCAGTCCCTGGCGCTCC
TACTTCCAACCTGCTCCTCCTCCGCATCCCCACAGTACCCCGTCTCACAGCGGCTGTGGTCCAATC
AGACTTTCCTCGGATTCTCTTAGGACTGAACCAAGACTTACCCGAAGTTGCCGCGGGCCCTCCGA
TCCCCTAGGCCATTGCCAAGTCTGGCCAGGCTGATGGGACCAGCGAGGAGTCTCTGCACCTTGACATTC
AGAAACTGAAGGAGAAGAGGGACATGCTGGACAAGGAGATCTCCAGTTCGTATCTGAAGGCTACAGTGT
GGATGAACTGGAGGACCATTACCCAGCTTACGAGTACAATGACATCAAGGATGTGGGGCAGATGCTG
ATGGGCAAACTAGCTGTGATCCGAGGTGTACCACCAAAGAGTTGTATCCAGAGTTTGGGCTGGACATGA
ATGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG211457 representing NM_001040011
 Red=Cloning site Green=Tags(s)

MQRRGQRDLWRHNKSCARNRCRPPRERGGAGFPWVRAQLSVRQFTLRVVRVPGPVHLRGRSPTPALDPLA
 PLNPLIRGPRTPGLRRWIQSLALLLPNCSSSRIPTVPRPHSGLWVQSDFPLGFLSRTEPRLTRSCRGAFR
 SPRPLPKSGQADGTSEESLHLDIQKLKEKRDMLDKEISQFVSEGYSVDELEDHITQLHEYNDIKDVGQML
 MGKLAVIRGVTTKELYPEFGDMND

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001040011

ORF Size: 705 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_001040011.1](#), [NP_001035100.1](#)

RefSeq Size: 1004 bp

RefSeq ORF: 513 bp

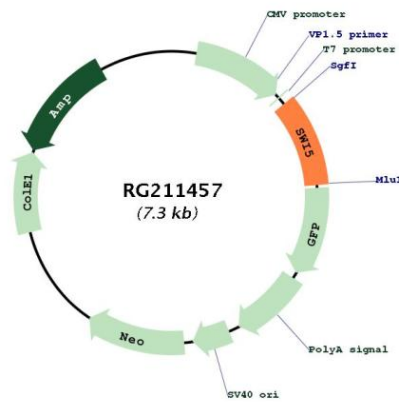
Locus ID: 375757

UniProt ID: [Q1ZZU3](#)

Cytogenetics: 9q34.11

Gene Summary: Component of the SWI5-SFR1 complex, a complex required for double-strand break repair via homologous recombination.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG211457