

Product datasheet for **RG204157**

SNAP45 (SNAPC2) (NM_003083) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNAP45 (SNAPC2) (NM_003083) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNAP45
Synonyms:	PTFDELTA; SNAP45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG204157 representing NM_003083 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGCCACCTCCAGGCGGCGAGCGGCCCGGCGCGCTATCTGGGCGAGGTGACCGGTCCCGCACCT
GGAGCGCTCGCGAGAAGCGGCAGCTAGTGCAGCTCCTGCAGGCGCGCAGGGCCAGCCGGAGCCGGACGC
CACCGAGCTGGCCGGGAGCTGCGGGGCCGAGCGAGGCTGAGATCCGGGTCTTCTCCAGCAGCTCAAG
GGCCGCTAGCCCGGAGGCCATTCAGAAAGTGCATCCGGGTGGCCTTCAGGGACCAAGGCGCCGGGAGG
CACAGCCCCAGCCCCATAGAGGTCTGGACGGATCTGGCTGAGAAGATAACAGGGCCACTGGAAGAAGC
CCTGGCAGTGGCTTTCTGCAGGTGCTCACCATCGCGGCCACGGAACCGGTACCCTCCTGCACTCCAAG
CCCCCAAGCCACGCGAGCCCGTGAAAGCCTTTGCTCCTGAGCGCCCTGGAGGACAGGAAGACCCCG
CCCCTGAAATACCTAGCTCTGCCCTGCTGCACCTAGCTCCGCACCCAGGACTCCTGACCCTGCCCTGA
GAACTTCTGAGTCGTGCGGCTGGTCCCTCCACTGAAGAAGACTTTGCTGTGGACTTTGAGAAGATCTAC
AAGTACTTGTCTCTGTCTCCGAAGTGCCCGCAGCCCCGAGCTCTCAGCAGCTGAGTCCGCTGTGGTCC
TCGACCTGCTCATGTCACTTCCAGAGGAGCTGCCACTCCTGCCCTGCACAGCCCTGGTTGAGCATATGAC
GGAGACGTACCTACGCTGACAGCCCCCAGCCATTCCCGCTGGAGGGAGCCTGGGCTGCAGCAGAA
GGGGATGGGCTGGCTCCAAGGCACAGAGGAGACCCCCCAGCCACCGAGAAGGCCGAGCACAGCGAAC
TGAATCGCCTTGCAAGCAGCTGGGATCTGTCCCTGAACCCGTTCTGGTGCCCTGGAGCTTCTGGG
TCGGGCAGCCACCCTGCCAGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG204157 representing NM_003083
 Red=Cloning site Green=Tags(s)

MKPPRRRAAPARYLGEVTGPATWSAREKRQLVRLQARQGQPEPDATLARELRGRSEAEIRVFLQQLK
 GRVAREAIQKVHPGGLQGPRRREAQPPAPIEVWTDLAEKITGPLEEALAVAFSQVLIAATEPVTLHLSK
 PPKPTQARGKPLLLSAPGGQEDPAPEIPSSAAPSSAPRTPDPAPEKPESSAGPSTEEDFAVDFEKIY
 KYLSSVSRSGRSPELAAESAVVLDLLMSLPEELPLLCTALVEHMTETYLRLTAPQIPAGGSLGPAAE
 GDGAGSKAPEETPPATEKAHSELKSPWQAAGICPLNPFLVPLELLGRAATPAR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_003083

ORF Size: 1002 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_003083.4](#)

RefSeq Size: 1514 bp

RefSeq ORF: 1005 bp

Locus ID: 6618

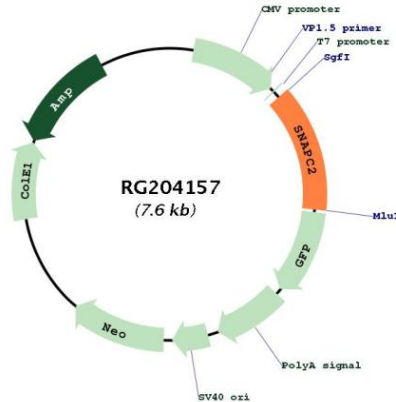
UniProt ID: [Q13487](#)

Cytogenetics: 19p13.2

Protein Families: Transcription Factors

Gene Summary: This gene encodes a subunit of the snRNA-activating protein complex which is associated with the TATA box-binding protein. The encoded protein is necessary for RNA polymerase II and III dependent small-nuclear RNA gene transcription. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2009]

Product images:



Circular map for RG204157