

Product datasheet for **RG200548**

SNRNP40 (NM_004814) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SNRNP40 (NM_004814) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SNRNP40
Synonyms:	40K; HPRP8BP; PRP8BP; PRPF8BP; SPF38; WDR57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG200548 representing NM_004814 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATAGAACAGCAGAAGCGTAAGGGCCAGAGTTGCCGCTGGTTCAGTCAAGCGGCAGCGGCATGAGT
TGCTGTTGGGAGCGGGTCTGGCCAGGAGCCGGGCAGCAGCGCAGCCGGGAGCCTTGCTGCAAGC
GGGACCTCCAAGATGTTCTCCCTTCAAGCCCAATCATGCTGCTCTGGACATGAAGGGGAAGTCTAC
TGCTGCAAGTCCACCCCAACGGATCCACCTTAGCATCTGCAGGATTTGACCGACTGATATTACTGTGGA
ATGTCTATGGTGACTGTGATAACTATGCCACACTGAAGGGACACAGTGGAGCAGTGATGGAATTGCATTA
CAACACAGATGGCAGTATGCTTTTCTCAGCATCCACAGATAAAACCGTGGCTGTGTGGGATAGTGAACA
GGTGAGAGGGTTAAAAGGCTAAAGGGACATACTTCTTTGTGAATTCCTGTTATCCAGCCAGGAGAGGCC
CTCAGCTTGTCTGCACTGGCAGTGACGATGGCACAGTTAAGCTTTGGGACATCCGGAAGAAAGCAGCCAT
CCAGACATTTCAGAACACGTACCAGGTGTAGCTGTGACCTTCAATGACACAAGTGATCAGATTATTTCT
GGTGAATAGACAATGATATCAAGGTCTGGGACCTGCGCCAGAACAAGCTAACCTACACCATGAGAGGCC
ATGCAGATTCAGTGACTGGCCTGAGTTAAGTTCTGAAGGCTCTATCTTTTGTCCAATGCAATGGACAA
TACAGTTCTGTCTGGGATGTCCGGCATTGGCCCCAAAGAGAGATGTGTAAGATATTTCAAGGAAAT
GTGCACAACCTTTGAAAAGAACCTTCTGAGATGTTCTTGGTCACCTGATGGAAGCAAAATGACAGCTGGCT
CAGCCGACAGTTTGTATGTGTGGGATACCACAAGCAGGAGAATATTGTATAAGCTGCCCGCCATGC
TGGCTCCATCAATGAAGTGGCTTCCACCCTGATGAGCCCATCATTATCTCAGCATCGAGTGACAAGAGA
CTGTATATGGGAGAGATTCAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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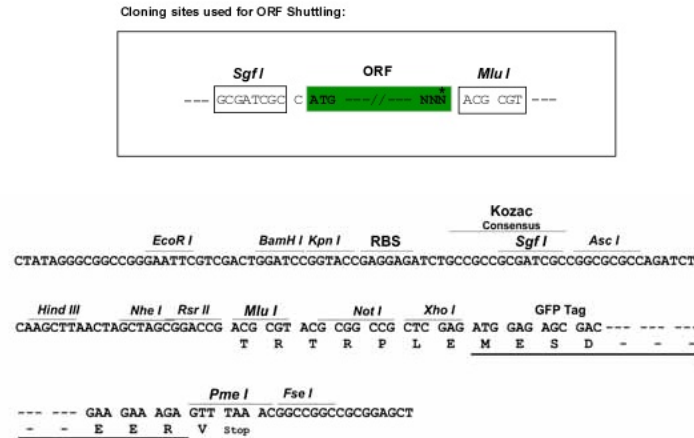
Protein Sequence: >RG200548 representing NM_004814
 Red=Cloning site Green=Tags(s)

MIEQQKRKGPELPLVPVKRQRHELLLGAGSGPGAGQQQATPGALLQAGPPRCSSLQAPIMLLSGHEGEVY
 CCKFHPNGSTLASAGFDRLILLWNVYGDNDNYATLKGHSGAVMELHYNTDGSMLFSASTDKTVAVWDSSET
 GERVKRLKGHTSFVNSCYPARRGPQLVCTGSDDGTVKLDIRKKAIIQTFQNTYQVLAVTFNDTSDQIIS
 GGIDNDIKVWDLRQNKLYTMRGHADSVTGLSLSSEGSYLLSNAMDNTVRVWDVRFAPKERCVKIFQGN
 VHNFEKNLLRCSWSPDGSKIAAGSADRFVYVWDTTSRRILYKLPGHAGSINEVAFHPDEPIIISASSDKR
 LYMGEIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_004814

ORF Size: 1071 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_004814.3](#)

RefSeq Size: 1638 bp

RefSeq ORF: 1074 bp

Locus ID: 9410

UniProt ID: [Q96DI7](#)

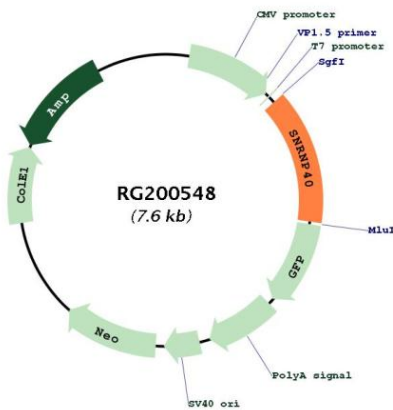
Cytogenetics: 1p35.2

Domains: WD40

Protein Pathways: Spliceosome

Gene Summary: This gene encodes a component of the U5 small nuclear ribonucleoprotein (snRNP) particle. The U5 snRNP is part of the spliceosome, a multiprotein complex that catalyzes the removal of introns from pre-messenger RNAs. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG200548