

Product datasheet for MR205708

Snrnp40 (NM_025645) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Snrnp40 (NM_025645) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Snrnp40
Synonyms:	0610009C03Rik; Prp8bp; Wdr57
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205708 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATCGAGCAGCAGAAGCGTAAGGGCCCGGAGCTACCCCTGGTCCCCTCAAGCGGCCGCGACATGAGT
TGCTGTTGGGAGCGCCAGGAGCCGGCCCGGAGCGGGCCCGCAGCAGGCGACTCCAGGGCATTGCTGCA
GGCGGGACCGCCAGGTGTTCTTCCCTCAAGCTCCAATCATGCTGCTCTCGGGACATGAGGGGAAGTG
TACTGCTGCAAGTTTACCCCAATGGATCCACCCTGGCTTCTGCAGGATTTGACCGGCTAATACTGTTGT
GGAACGTCTATGGAGACTGTGATAACTATGCGACGTTGAAGGGACACAGTGGAGCAGTGATGGAGCTGCA
CTATAACACAGATGGCAGCATGCTTCTCAGCGTCGACAGACAAAAGTGTGGCGGTGTGGGATAGTGAA
ACTGGGGAGAGAGTGAAAAGGCTAAAGGGGCATACTTCTTTGTGAACTCCTGTTACCCAGCCAGGCGGG
GCCCCCAACTTGTCTGTACTGGCAGTGACGATGGTACAGTTAAGCTTTGGGACATCCGGAAGAAAGCAGC
TGTCCAGACATTTCAGAACACGTACCAGGTGTTGGCTGTGACCTTCAATGACACGAGCGATCAGATTATC
TCTGGTGAATAGATAATGACATCAAGGTCTGGGACCTACGCCAAAACAAGTTAACCTACACCATGAGAG
GCCATGCAGACTCTGTAAGTGGCCTGAGCTTGAGTTCTGAAGGCTTTATCTCTGTCCAATGCAATGGA
CAACACAGTTCGTGTCTGGGATGTCGGCCATTTGCTCCCAAAGAGAGATGTGTGAAGATATTTCAAGGA
AATGTCCACAACTTTAAAAGAACCTCCTGAGATGTTCCCTGGTCTCCAGATGGAAGCAAGATAGCAGCTG
GCTCAGCAGACAGGTTTGTGTACGTGTGGGACACCACAAGCCGAAGGGTCTGTACAAGCTGCCTGGTCA
CGCTGGCTCCATCAATGAAGTGGCTTCCACCCGACGAGCCCATCATCTCTCAGCATCCAGTGACAAG
AGGCTGTACATGGGTGAGATCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205708 protein sequence
 Red=Cloning site Green=Tags(s)

MIEQQKRKGPELPLVPVKRPRHELLLGAAGAGPGAGPQQATPGALLQAGPPRCSSLQAPIMLLSGHEGEV
 YCKFFHPNGSTLASAGFDRLILLWNVYGDCDNYATLKGHSGAVMELHYNTDGSMLFSASTDKTVAVWDSE
 TGERVKRLKGHTSFVNSCYPARRGPQLVCTGSDDGTVKLDIRKKAHVQTFQNTYQVLAFTFNDTSDQII
 SGGIDNDIKVWDLRQNKLYTMRGHADSVTGLSLSSEGSYLLSNAMDNTVRVWDVVRFPAPKERCVKIFQG
 NVHNFENLRLCSWSPDGSKIAAGSADRFVYVWDTTSRRVLYKLPGHAGSINEVAFHPDEPIILSASSDK
 RLYMGEIQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025645

ORF Size: 1077 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_025645.2](#), [NP_079921.2](#)

RefSeq Size: 1613 bp

RefSeq ORF: 1077 bp

Locus ID: 66585

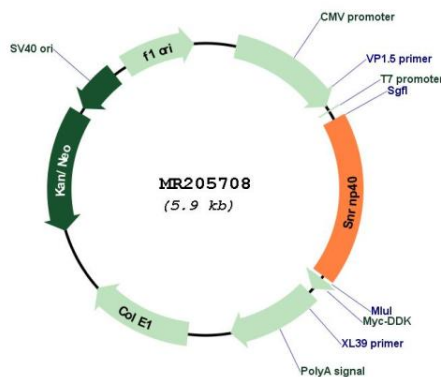
UniProt ID: [Q6PE01](#)

Cytogenetics: 4 D2.2

MW: 39.3 kDa

Gene Summary: Required for pre-mRNA splicing as component of the activated spliceosome. Component of the U5 small nuclear ribonucleoprotein (snRNP) complex and the U4/U6-U5 tri-snRNP complex, building blocks of the spliceosome.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205708