

Product datasheet for **MG200538**

Snrpd2 (NM_026943) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Snrpd2 (NM_026943) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Snrpd2
Synonyms: 1810009A06Rik; SMD2
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG200538 representing NM_026943
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTCTCTCAATAAACCCAAGAGTGAGATGACCCAGAGGAGCTGCAGAAGCGGGAGGAGGAGGAAT
 TCAACACAGGTCCCCTCTCAGTGCTCACGCAGTCGGTCAAGAACAACACGCAAGTGCTCATTAAGTGTG
 CAACAACAAGAAGCTGCTGGGCCGGTGAAGGCCTTTGACAGGCACTGCAACATGGTGTGGAAAATGTG
 AAGGAGATGTGGACTGAGGTTCCAAGAGCGGCAAGGGCAAGAAGAAATCCAAGCCTGTCAACAAGGACC
 GCTACATCTCAAGATGTTCTCGCGGGGACTCGGTCATCGTGGTGTGCGGAACCCACTCATCGCTGG
 CAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG200538 representing NM_026943
 Red=Cloning site Green=Tags(s)

MSLLNPKKSEMTPEELQKREEEEFNTGPLSVLTQSVKNNTQVLINCRNKKLLGRVKAFDRHCNMVLENV
 KEMWTEVPKSGKGGKSKPVNKDRYISKMFLRGDSVIVLRLNPLIAGK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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| 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: | NM_026943.1 , NP_081219.1 |
| RefSeq Size: | 508 bp |
| RefSeq ORF: | 357 bp |
| Locus ID: | 107686 |
| UniProt ID: | P62317 |
| Cytogenetics: | 7 A3 |
| Gene Summary: | Plays role in pre-mRNA splicing as core component of the SMN-Sm complex that mediates spliceosomal snRNP assembly and as component of the spliceosomal U1, U2, U4 and U5 small nuclear ribonucleoproteins (snRNPs), the building blocks of the spliceosome. Component of both the pre-catalytic spliceosome B complex and activated spliceosome C complexes. Is also a component of the minor U12 spliceosome.[UniProtKB/Swiss-Prot Function] |