

## Product datasheet for RN201491

### Slit3 (NM\_031321) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slit3 (NM_031321) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slit3
Synonyms:	Megf5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201491 representing NM_031321 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCCCCGGGGACCGGGCCGGCCGCTGTGCGCGCCGCTGGCGCTGGCCTTGGCGCTGGCGA  
GCATCCTGAGCGGACCCCGCTGCTGCCTGCCACCAAGTGTACCTGCTCCGCCGCTAGCGTGGACTG  
CCACGGGCTGGGCTGCGCGCCGTTCCCGGGGCATCCCCGCAACGCTGAGCGCCTTGACCTGGACAGA  
AATAACATCACCAGGATCACAAAATGGACTTCACCGGCTTGAAGAATCTCCGAGTCTTGATCTGGAAG  
ACAATCAGGTCAGCGTCATCGAGAGAGGCGCCTTCCAGGATCTGAAGCAGCTGGAGCGATTACGTCTGAA  
CAAGAACAAGCTCCAGGTCCTTCCAGAATTACTTTCCAGAGCACACCGAAGCTCACCAGACTAGATCTG  
AGCGAAAACCAGATCCAGGGCATCCCGAGGAAGGCGTTCAGGGGCGTCACGGGCGTGAAGAACCTGCAAC  
TGGACAATAACCACATCAGCTGCATTGAAGATGGAGCCTTCCGAGCGCTGCGCGATTTGGAGATCCTCAC  
CCTTAACAACAACAACATCAGCCGATCCTGGTCACCAGCTTCAACCACATGCCGAAGATCCGGACCCTG  
CGTCTCCACTCCAACCACCTGTACTGTGATTGTCACTTGGCCTGGCTCTCAGACTGGCTGCGACAGCGGC  
GGACCATTGGCCAGTTCACCCTCTGCATGGCGCCCGTGCACCTGAGAGGCTTCAGTGTAGCAGAGTGCA  
GAAGAAGGAGTATGTGTCCAGTCCCACTCAGAGGCTCCAGCCTGCAATGCCAACTCCCTCTCCTGC  
CCTTCTGCCTGCTCATGCAGTAATAACATTGTAGACTGCCGTGGGAAGGGACTGACTGAGATCCCTGCCA  
ACCTGCCGGAGGGCATCGTGAAATACGCCTAGAACAAGACTCCATCAAATCCATTCTGCAGGAGCTTT  
CATCCAGTACAAAAAAGTGAAGCGAATAGACATCAGCAAGAATCAGATATCGGACATTGCTCCAGATGCC  
TTCCAGGGCTGAAATCACTCACGTCGCTGGTCTATGGAACAAGATCACAGAGATCCCAAAGGAC  
TGTTTGACGGGCTGGTGTCCCTGCAGCTGCTCCTCCTCAATGCCAACAAGATCAACTGCCTGCGGGTAA  
CACCTTCCAGGACCTACAGAACCTCAATCTGCTCTCTGTATGACAACAAGTTGCAGACTATCAGCAA  
GGGCTCTTTGCTCCGCTGCAGTCCATCCAGACCCTCCACTTAGCTCAAAACCCGTTTGTTCGACTGCC  
ACTTGAAGTGGTTGGCCGACTACCTCCAGGACAACCCATTGAGACGAGCGGGGCCGCTGCAGCAGCCC  
ACGCCGGCTGGCCAACAAGCGCATCAGCCAGATCAAAGCAAGAAGTTCCGCTGCTCAGGCTCGGAGGAT  
TATCGAACAGATTACGACGAGTGTTCATGGACCTAGTGTGCCCCGAGAAGTGCCGTTGTGAGGGCA



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CCATTGTGGACTGCTCCAACCAGAAGCTCTCCCGCATCCCGAGCCACCTCCCTGAATATACCACTGACCT  
 GCGACTGAACGACAATGACATCGCTGTGCTGGAGGCCACTGGGATCTTCAAGAAGTTGCCAACCTGAGG  
 AAAATAAACTTGAGCAATAATAGGATCAAGGAGGTGCGGGAGGGTGCGTTTGTGGAGCGGCAGGCGTGC  
 AGGAACTGATGCTGACGGGAACCACTGGAGACCATGACCGGACGCATGTTCCGGGGCCTCAGCGGCT  
 GAAGACTGATGTTAAGGAGCAACCTGATCAGCTGCGTAAACAATGACACCTTCGCTGGCCTAAGCTCT  
 GTGAGACTGCTGCCCTATGACAATCGGATCACCACCATCAGCCCTGGAGCCTTACCACGCTCGTCT  
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 GCTGAGGAAACGCGCATCGTAAGCGGGAACCCAGATGTCAGAAGCCCTTTTCCCTCAAGGAGATTCT  
 ATCCAAGATGTGGCCATCCAGGACTTCACTGTGAAGGAATGAAGAGAACAGCTGTCAGCTGAGTCCAC  
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 CAAGGGCATGCCAAAGGACGTGACTGAACTGTACCTGGAAGGAAATCATTTAACGGCGGTGCCAAAGAA  
 TTGTCCACCTTCCGACAGCTGACACTAATTGACCTGAGCAACAACAGCATCAGTATGCTGACCAATCACA  
 CCTTCAGAACATGTCCACCTTCCACACTGATCCTGAGCTACAACGGCTGAGATGCATCCCGGTCCA  
 TGCTTCAACGGGCTAAGGTCACTCCGAGTGCTAACCTCCATGGCAATGACATTTCCAGTGTCTCTGAA  
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 GTCTGCGTTGGTTATCAGAGTGGATAAAGGCTGGGTACAAGGAGCCTGGCATTGCCAGATGACAGTCC  
 CGAGTCCATGGCAGACAGACTCCTGCTCACCACCCCAACCACAGGTTCCAGTGCAAAGGGCCAGTGGAC  
 ATTAACATCGTGGCCAAGTGAACGCCTGCCTCTTAGCCATGCAAGAACAACGGCACTTGACGCCAGG  
 ATCCGGTGGAGCAGTACCGCTGTACCTGCCCTTACAGCTACAAGGGCAAGGACTGCACCGTGGCCATCAA  
 CACCTGCGTCCAGAACCCCTGTGACGACGGAGGCCACTGTACCTCAGTGAAGCCACAGAGATGGGTTC  
 AGCTGCTCCTGCCCTGGGCTTTGAGGGACAGCGGTGTGAGTCAACCCAGATGACTGTGAGGATAACG  
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 AGGGGAGCTGTGTGATGAGGTGATTGACTACTGCGTGGCGAGATGAACCTCTGTGACGACGAGGCAAG  
 TGCACTCCCTGGACAAAGGATTAGGTGCGAATGTGTCCTGGCTACAGTGGAAAGCTGTGCGAGACAG  
 ACAACGATGACTGTGTGGCTCACAGTGTGCGCACGGAGCCAGTGTGTGGACGCGGTCAATGGCTACAC  
 GTGCATCTGCCCCAGGGCTTACGCGGGCTCTTGTGTGAGCACCCCAACCATGGTTCTGCTACAGACC  
 AGCCCCTGTGACCAGTACGAGTCCAGAAATGGGGCGCAGTGCATCGTGGTACAGCAGGAGCCACTTGCC  
 GCTGTCCCCAGGCTTCGCTGGGCCAGGTGTGAGAAGCTCATCACTGTGAATTTCTGTTGGCAAGGACTC  
 CTATGTGGAACCTGCCTCTGCCAAGTCCGGCCCCAGGCCAACATCTCCCTGCAGGTGGCCACTGACAAG  
 GACAACGGCATCCTTCTTACAAGGGAGACAACGACCCCTGGCACTGGAGCTGTACCAGGGTACGTGA  
 GGCTGGTGTATGACAGCCTGAGTCCCCTCCGACCACGGTGTACAGTGTGGAGACGGTGAATGATGGCCA  
 GTTTCACAGTGTGGAGCTGGTGTGCTAAACCAGACCCTGAACCTGGTGGTAGACAAGGAGCCCCAAG  
 AGCCTGGGGAAGCTCCAGAAGCAGCCAGCAGTGGGCATCAACAGTCCCCTCTATCTTGGAGGCATCCCCA  
 CGTCTACAGGCCTCTCAGCCTTACGCCAGGGTGCAGACAGGCCGCTGGGCGGCTTCCACGGCTGTATACA  
 CGAAGTGCATCAACAACGAGTTGAGGATTTCAAAGCCCTCCACCCAGTCCCTGGGGGTCTCTCCC  
 GGCTGCAATCCTGCACTGTGTGTCGTACGGCCTGTGTGTTCCGTGGAGAAGGACAGCGTGTGTGTG  
 AGTGCCATCCGGGATGGACTGGTCCACTGTGTGATCAGGAAGCCAGGACCCCTGCCTGGTACAGCTG  
 CAGCCATGGGACATGCGTGGCAGTGGCAACTCATATGTGTGCAAGTGTGCCGAGGGCTATGAGGGACCT  
 TTGTGTGACCAGAAGAATGACTTGCCAAATGCCTGCTCAGCCTTCAAGTGCCACCACGGGAGTGGCACA  
 TCTCAGATCGAGGGGAGCCCTATTGCCTGTGCCAGCCTGGCTTCAAGTGGCAATCACTGTGAGCAAGAGAA  
 TCCATGTTTGGGAGAGATAGTCCGTGAAGCCATCCGCCGCGCAGAAAGATTATGCCTCCTGTGCCACAGCA  
 TCCAAGGTGCCATCATGGTATGCCGCGGGGGCTGCGGGAGCCAATGCTGCCAGCCGATTGAGGCAAGC  
 GGCGGAAATACGTCTTCCAGTGCAGTGCAGGCTCCTCGTTGTTGGAAGGTTGGAGAGACTTGGAAATG  
 TGGCTGTCGTGAGTGTCTGA

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_031321  
 Insert Size: 4572 bp

<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_031321.1</a></u> , <u><a href="#">NP_112611.1</a></u>
<b>RefSeq Size:</b>	5210 bp
<b>RefSeq ORF:</b>	4572 bp
<b>Locus ID:</b>	83467
<b>UniProt ID:</b>	<u><a href="#">O88280</a></u>
<b>Cytogenetics:</b>	10q12
<b>Gene Summary:</b>	localized to mitochondria; has less conservation with Drosophila slit than family members slit1 and slit2; may play a role in neurogenesis [RGD, Feb 2006]