

Product datasheet for RN206727

Slit1 (NM_022953) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slit1 (NM_022953) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Slit1
Synonyms:	MEGF4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN206727 representing NM_022953 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCTAACGCCCCAGCGGGTCTCTTCGGGGTTGAGCCGACCAGAGCTGTGGCTGCTGCTATGGG
CAGCCGCTGGCGCTGGGGCCACGGCGTGCCCCGCCCTCTGCACCTGCACCGGCACTACAGTGGACTG
CCACGGCACGGGTTTGCAGGCCATCCCCAAGAACATCCCACGGAACACCGAGCGCCTGGAATCAATGGT
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AGAACCAGATTGGAGCTGTGGAACGGGGAGCTTTTGATGACATGAAGGAGTTGGAGCGGCTACGACTGAA
CCGCAACCAGCTGCAAGTGTTCCTGAACTACTGTTCCAGAACAACCAGGCTCTGTCCAGACTGGACCTG
AGTGAGAAATCTCTCCAGGCTGTGCCAGAAAGGCTTTCCGAGGAGCCACAGACCTCAAAAATCTACAGC
TGGACAAGAACCAGATCAGCTGCATCGAGGAAGGGGCTTCCGTGCCCTACGGGGACTGGAGTTCTGAC
CCTGAACAACAACAACATCACCACCATCCCTGTGTCCAGTTTCAACCATATGCCAAGCTTCGGACCTTC
CGGCTGCACTCCAACCACCTGTTCTGTGACTGTCACTGGCCTGGCTCTCGCAGTGGCTGAGACAGAGGC
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AAAGAGTGAGTTAGCTGCTCAGGCCAGGGGAGGCTGCACAAGTACCTGCCTGCACCTCTCATCCGGT
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CTGCTAACCTTCCGGAGACGATGACCGAGATCCGCCTGGAGCTGAACGGTATCAAATCCATCCCACCAGG
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GATGCCTTCCAAGGCTCCGCTCCTTGAATTCCTGGTCTCTATGGCAACAAGATCACAGACTTGGCCC
GAGGTGATTTGGAGGCTGTACACCTCCAGCTGCTGCTTCTGAATGCCAACAAGATCAACTGCATCCG
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CAGCCCCCGCGCCTTGCCAACAAGCGTATCGGGCAGATCAAAGCAAGAAGTTCGGGTGCTCAGCCAAA
GAGCAGTACTTCAATCCAGGGACGGAGGATTACCACCTGAACAGCGAGTGTACGAGTGACGTGGCCTGTC



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CCCACAAGTGCCGCTGTGAGGCCAGTGTGGTGGAGTGCTCTGGCCTGAAGCTCTCTAAGATCCCTGAGCG
 AATCCCCCAGTCCACGACTGAGCTACGACTGAACAACAATGAGATTTCAATCCTAGAGGCCACTGGGTTG
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 GACAGCTTCACTGGGCTGCGTAACGTGCGGCTCCTGTCTCTTTACGACAACCACATCACCACCATCTCCC
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 AGGAGGTGGGCTGCCTGCCCCGCCACAGTGCCCCAAGAGTGCCTGCCTGGACACCCTGGTCCGGTG
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 ACCTGGCATTGCCGCTGTGCTGGACCCCCAGAGATGGAGGGCAAACCTGTTGCTCACACACCTGCCAAG
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 TGAACACAGATGATTGTGTAAGCAGCACTGTGCAATGGGGTGTCTGTGTGGATGGCATAGGGAATTA
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 CTGAACCCATGTGAGCATGAGGCCAATGTGTTGGCACCCAGAGGGGCCAGGTGTGAGTGTGTGCCAG
 GCTACACGGGTGACAATTGCAGCAAAAACCAGGACGACTGCAAGGACCACCAGTGTGAGAACGGGGCTCA
 GTGTGTGGATGAGATCAACAGCTACGCCTGTCTGTGCTGAGGGCTACAGCGGACAGCTCTGTGAGATC
 CCACCTGCCCCAGGAACCTGTGAAGGGACTGAGTGCCAGAATGGAGCCAACCTGTGTAGACCAGGGCA
 GCCGGCCCGTATGCCAGTGCCTACCAGGCTTGGAGGTCCCGAATGTGAGAAGTTGCTCAGTGTCAACTT
 TGTGGACCGGGACACTTACCTGCAGTTCAGTGCAGTGCAGAACTGGCCTCGGGCCAACATCACTCTTCAG
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 ACCAGGGCCATGTCGGTGTAGCTACGACCCAGGACGCTACCCAGCTCTGCTATCTACAGTGTGAAAC
 AATCAACGATGGGCAATTCCACACAGTTGAGCTGGTGACCTTTGACCAGATGGTGAACCTCTCCATTGAT
 GGTGGCAGCCCCATGACCATGGACAACCTTGGAAAGCACTACACACTCAACAGTGAAGCCCCCTCTATG
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 CCACGGTTGCATCCGGAATCTATACATCAACAACGAAGTGCAGGACTTCCCAAGACACAGATGAAGCCG
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 CCCCAGGGCCCGTGTGCCACTGCGAGGCTGGCTGGGGGGCCTGCACTGTGACCAGCCAGTGGACGGCCC
 CTGCCATGGCCACAAGTGTCCATGGGAAATGCGTGCCCTCGATGCACTTGCCTACAGCTGCCAATGC
 CAGGATGGATACTCGGGGGCTCTGTGCAACCAGTTCGGGGTGTGGCAGAGCCCTGTGGGGGCTTACAGT
 GCCTGCATGGTCACTGCCAGCCCTCGGCCACCAGAGGGGCACACTGTGTGTGACAGCCAGGTTTTTCAGG
 CGAGCTGTGTGAGCAAGAGTCCGAGTGCAGGGGGACCCTGTCCGGGACTTTACCCGGTCCAGAGGGGC
 TATGCCATCTGCCAGACCACGCGCCACTGTGATGGGTGGAATGCCGGGGCGCTGCCGGGGCCAGGGCT
 GCTGCCAGGGCTGCGGCTGAAGCGGAGGAAGCTCACCTTCGAGTGCAGCGATGGGACCTCGTTTGTGTA
 GGAGGTGGAGAAGCCACCAAGTGCAGGCTGTGCCCGTGTGCGTAA

ACGGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_022953
 Insert Size: 4596 bp

OTI Disclaimer:	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).
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_022953.2 , NP_075242.1
RefSeq Size:	4968 bp
RefSeq ORF:	4596 bp
Locus ID:	65047
UniProt ID:	O88279
Cytogenetics:	1q54
Gene Summary:	homolog of Drosophila slit; may play a role in protein-protein interactions during midline formation in the central nervous system; specifically expressed in fetal and adult forebrain neurons [RGD, Feb 2006]