

## Product datasheet for **MG225499**

### Slit3 (NM\_011412) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Slit3 (NM_011412) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slit3
Synonyms:	b2b2362.1Clo; Slil2; Slit1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225499 representing NM_011412 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTCGGCCGACCGGGCCGGCCGCTGTGCGCGCCGCTGGCGCTGGGCTTGGCGCTTGCGA  
GCATCCTGAGCGGACCCCTGCTGCCGCTGCCACCAAGTGTACCTGCTCCGCCGCTAGCGTGGACTG  
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AATAACATCACCAGGATACCAAAATGGACTTCGCTGGCTGAAGAATCTTCGAGTCTTGACATCTGGAAG  
ACAATCAAGTCAGCATCATCGAGAGAGGGCCCTCCAGGATCTGAAGCAGCTGGAGAGATTACGTCTGAA  
CAAGAACAAGCTCCAGGTCCTCCAGAAGTCTTTCCAGAGCACCCGAAGCTCACAGACTAGATCTG  
AGCGAAAACAGATCCAGGGCATCCCGAGGAAGGCGTTCCAGAGCGTCACAGGCGTGAAGAACCTGCAAC  
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CCTCAACAATAACAACATCAGCCGCATCCTGGTACCAGCTTCAACCACATGCCGAAGATCCGGACTCTG  
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CACCCAGTACAAAAAAGTGAAGCGAATAGACATCAGCAAGAATCAGATATCGGACATCGTCCAGATGCC  
TTCCAGGGCCTGAAATCACTCACGTGCTGGTACTCTATGGGAACAAGATCACAGAGATCCCAAAGGAC  
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TATCGCAACAGATT CAGCAGTGAGTGCTTCATGGACCTAGTGTGCCCTGAAAAGTGCCGCTGTGAGGGCA  
CCATTGTGGACTGCTCCAACCAGAAGCTAGCCCGCATCCCAAGCCACCTCCCTGAATATACCACTGACTT  
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GGCGGAAATATGTCTTCCAGTGCACGGACGGCTCCTATTCTGTTGGAAGAGGTGGAGAGACTTGGAAATG  
TGGATGCCGCGCTGTTCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225499 representing NM\_011412  
 Red=Cloning site Green=Tags(s)

MALGRTGAGAAVRARLALGLALASILSGPPAAACPTKCTCSAASVDCHLGLRAVPRGIPRNERLDLDR  
 NNITRITKMDFAGLKNLRVHLLEDNQVSI IERGAFQDLKQLERLRNKNKLOVLPPELLFQSTPKLTRLDL  
 SENQIQGIPRKAFRGVTGVKNLQLDNNHISCIEDGAFRALRDLEILTLNNNNISRLVTSFNHMPKIRTL  
 RLHSHNLYCDCHLAWLSDWLRQRRTIGQFTLCMAPVHLRGFSVADVQKKEYVCPGPHSEAPACNANLSC  
 PSACSCSNNIVDCRGKGLTEIPANLPEGIVEIRLEQNSIKSIPAGAFQYKKLKRIDISKNQISDIAPDA  
 FQGLKSLTSLVLYGNKITEIPKGLFDGLVSLQLLLL NANKINCLRVNTFQDLQNLNLLSLYDNKLTISK  
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 YRNRFSSECFMDLVCPEKCRCEGTIVDCSNQKLARIPSHLPEYTTDLRLNDNDISVLEATGIFKKLPNLR  
 KINLNNRIKEVREGAFDGAAGVQELMLTGNQLETMHGRMFRGLSGLKTLMLRSNLSICVSNDTFAGLSS  
 VRLLSLYDNRITITPGAFVTLVSLSTINLLSNPFNCNCHMAWLRWLRKRRIVSGNPRCQKPFFLKEIP  
 IQDVAIQDFTCDGNEESSQLSPRCPEQCTCVETVVRCNSRGLHALPKGMPKDVTELYLEGNHLTAVPKE  
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 INIVAKCNACLSSPKNNGTCSQDPVEQYRCTCPYSYKGDCTVPINTCVQNPCEHGGTCHLSENLRDGF  
 SCSCPLGFEGQRCEINPDDCEDNDCENSATCVDGINNYACLPPNYTGELCDEVIDYCVPEMNLCOHEAK  
 CISLDKGRFCECVPYSGKLCETNNDCCVAHKCRHGAQCVDENVGYTCICPQGFSGLFCEHPPMVLLQT  
 SPCDQYECQNGAQCIIVVQEQPTCRCPGAGPRCEKLTITVNFVGKDSYVELASAKVRPQANISLQVATDK  
 DNGILLYKGDNDPLALELYQGHVRLVYDSLSSPPTTVYSVETVNDGQFHSVELVMLNQTLLNVVDKGAPK  
 SLGKQLQKQPAVGSNSPLYLGGIPTSTGLSALRQGADRPLGGFHGCIHEVRINNELQDFKALPPQSLGVSP  
 GCKSCTVCRHGLCRSVEKDSVVCHEHPGWTGPLCDQEARDPCLGHSCRHGTCMATGDSYVCKCAEDYGGAL  
 CDQKNDASACSAFKCHHGQCHI SDRGEPLYCLCQPGFSGHHCEQENPCMGIEIVREAIRRQKDYASCATA  
 SKVPIMECRGGCGSQCCQPIRSKRRKYVFQCTDGSSSFVEEVERHLECGCRACS

TRTRPLE - GFP Tag - V

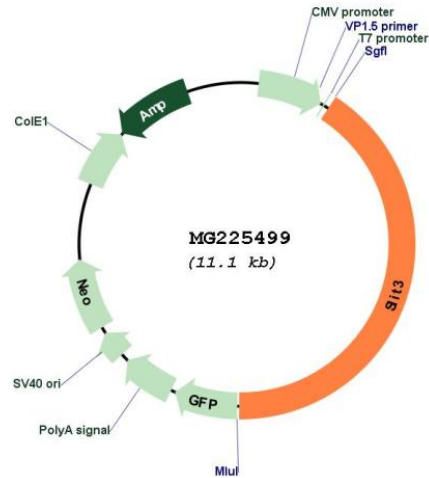
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



**ACCN:** NM\_011412

**ORF Size:** 4569 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\\_011412.3](#), [NP\\_035542.2](#)

**RefSeq Size:** 5017 bp

**RefSeq ORF:** 4572 bp

**Locus ID:** 20564

**UniProt ID:** [Q9WVB4](#)

**Cytogenetics:** 11 A4

**Gene Summary:** May act as molecular guidance cue in cellular migration, and function may be mediated by interaction with roundabout homolog receptors.[UniProtKB/Swiss-Prot Function]