OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC229623

Slit2 (NM_001291228) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slit2 (NM_001291228) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slit2
Synonyms:	b2b1200.1Clo; Drad; Drad-1; E030015M03Rik; E130320P19Rik; mKIAA4141; S; Slil3; slit-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229623 representing NM_001291228 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGAGTGGCATTGGCTGGCAGACACTGTCCCTATCGCTGGGGTTAGTGTTGTCGATCTTGAACAAGGTGG CGCCGCAGGCGTGCCCGGCCCAGTGCTCCTGTTCAGGCAGCACGGTGGACTGTCATGGGCTGGCACTGCG CAGTGTGCCCAGGAATATCCCCCGCAACACCGAGAGACTGGATTTGAATGGAAATAACATCACGAGGATC ACGAAGATAGATTTTGCTGGTCTCAGGCACCTCAGAGTTCTTCAGCTCATGGAGAACAGAATCAGCACCA TCGAGAGGGGAGCATTCCAGGATCTTAAGGAGCTGGAAAGACTGCGTTTAAACAGAAATAACCTTCAGTT GTTTCCTGAGCTGCTGTTTCTCGGGACTGCGAAGCTCTACCGGCTTGATCTCAGTGAAAATCAAATTCAA GCAATTCCAAGGAAGGCTTTCCGTGGGGCAGTTGACATTAAAAACCTGCAACTGGATTACAACCAGATCA GCTGCATTGAAGATGGGGCGTTCAGAGCTCTACGAGATCTGGAAGTGCTCACTCTGAACAATAACAATAT TACTAGACTTTCAGTGGCAAGTTTCAACCATATGCCTAAACTTAGGACATTTCGACTCCACTCGAACAAC TTGTACTGCGACTGCCACCTAGCCTGGCTCTCAGACTGGCTTCGCCAAAGGCCACGGGTGGGCTTGTACA CTCAGTGTATGGGCCCATCCCACCTGAGGGGCCACAATGTAGCAGAGGTTCAAAAACGAGAGTTTGTCTG CAGTGATGAGGAAGAAGGTCACCAGTCATTCATGGCTCCCTCCTGCAGTGTGCTGCACTGCCCCGCTGCT TGTACCTGTAGCAACAACATTGTAGACTGCCGAGGGAAAGGTCTCACTGAGATCCCCACAAATCTGCCTG AGACCATCACAGAAATACGTTTGGAACAGAACTCCATCAGGGTCATCCCTCCAGGAGCCTTCTCACCATA CAAAAAGCTTAGACGACTAGACCTGAGCAACAACCAGATCTCTGAACTTGCACCAGATGCCTTCCAAGGA CTGCGCTCTCTGAATTCACTTGTCCTGTATGGAAATAAAATCACAGAACTCCCAAAAAGTTTATTCGAAG GACTATTTTCCTTGCAGCTACTATTATTGAATGCCAACAAGATAAACTGCCTTCGGGTAGATGCTTTTCA GGACCTGCACAACTTGAACCTTCTCTCCTTATATGACAATAAGCTTCAGACGGTTGCCAAGGGCACCTTC TCAGCCCTCAGAGCCATCCAAACTATGCATTTGGCCCAGAATCCTTTCATTTGTGACTGCCATCTCAAGT GGCTAGCGGATTATCTCCACACCAACCCAATTGAGACCAGCGGTGCCCGTTGCACCAGCCCCCGCCGCCT GGCAAACAAAAGAATTGGACAGATCAAAAGCAAGAAATTCCGTTGTTCAGGTACAGAAGATTATCGATCA AAATTAAGTGGAGACTGCTTTGCAGACTTGGCTTGTCCTGAGAAGTGTCGCTGTGAAGGGACCACAGTAG

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001291228

Insert Size: 4578 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001291228.2, NP_001278157.1
RefSeq Size:	9970 bp
RefSeq ORF:	4578 bp
Locus ID:	20563
Cytogenetics:	5 B3
Gene Summary:	The protein encoded by this gene is a member of the Slit family of secreted glycoproteins, which function as ligands for the Robo family of immunoglobulin receptors. Slit proteins play highly conserved roles in axon guidance and neuronal migration and may also have functions during other cell migration processes including leukocyte migration. In mammals, members of the slit family are characterized by an N-terminal signal peptide, four leucine-rich repeats, nine epidermal growth factor repeats, and a C-terminal cysteine knot. Mice deficient for this gene exhibit abnormal axonal projections in the embryonic forebrain and develop supernumerary uretic buds that maintain improper connections to the nephric duct. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015] Transcript Variant: This variant (2) lacks alternate in-frame exons in the 5' and central coding regions compared to variant 1. It encodes isoform b, which is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.