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 MC219637

Slain2 (NM_153567) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slain2 (NM_153567) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Slain2
Synonyms:	5033405K12Rik; 8030444K12Rik; AI596370
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

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Fully Sequenced ORF:

>MC219637 representing NM_153567
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGACGTTAACTCCAATGTGAACGCGGACCAGGAGGTGCGGAAGCTGCAGGAGCTGGTGAAGAAGC
TGGAGAAGCAGAACGAGCAGCTGAGGAGCCGCTCGGGAGCCGTGCAGGGTGCAGGCCTCCTCGGGCCCGG
CAGCCCAGCTCGGGTCGGCGTGTCCACCCCTTCGTCGGGCGCGGCGTCCCCTCGGGGCTTCCCGCTGGGC
CTGGGCGCCAAGGCCAGCGGCGGGGCGGGCTCCGGCCCGCGACGGACCAGCAGCGAGGACCTGCGGGACG
CCACCTCCTTGCTGGCGGCCGGCGAGGGAGGCTTGCTGGACGAGGTAGAGCCGCTGCGGCCCGACGAGCT
GGAGCGCTTGTCAGGCTGGGAGGAGGAAGAGGAGAGCTGGTTGTACTCATCACCAAAGAAAAAACTCACA
CCAATGCAGAAATCTGTCAGTCCATTAGTTTGGTGCAGGCAAGTTTTGGATTACCCAAGTCCTGATGTGG
AGTGTGCTAAAAAGTCCCTTATCCACAAACTTGATCAAACTATGTCAGCTCTCAAGAGGCAAAATTTATA
CAATAATCCTTTCAACTCTGTGAGTTACTCAAATTCTTATAGTCCAAATGCCAGTAGCCCATACAGCAGT
GGCTTCAACTCTCCATCCTCAACACCAGTGCGACCTCCCATAGTCAAGCAGCTTATACTTCCTGGAAATT
CAGGTAACTTCAAAAGTTCATCAGATAGAAACCCTCCACTCAGCCCTCAGTCCTCTATAGATAGTGAGTT
AAGTGCTTCAGAATTAGATGAAGATTCAATTGGATCCAACTATAAGCTAAATGATGTAACTGATGTGCAG
ATTCTAGCGCGGATGCAGGAAGAAAGTCTCCGGCAAGAATATGCAGCCAGCACCTCTCGCCGCAGCTCTG
GTTCATCTTGCAATTCTACGAGGCGGGGCACTTTTAGTGATCAGGAGCTGGACGCCCAGAGCTTGGATGA
TGAAGATGACAGTCTGCAGCATGCAGTACACCCTGCCCTTAATAGGTTTTCTCCATCCCCACGGAATTCA
CCACGACCATCTCCTAAGCAGTCGCCTCGAAATTCACCTCGTTCACGGTCTCCTGCCCGGGGAATAGAAT
ACAGTAGAGCGTCCCCACAGCCTATGATTAGCCGCTTGCAGCAGCCTCGCCTTTCCCTCCAAGGCCATCC
CACAGATTTACAGACGAGCAATGTTAAAAATGAAGAAAAACTTAGACGCAGTCTTCCAAACCTATCCCGA
ACATCGAGCACACAGGTTGACTCTGTGAAAAGCAGTAGAAGTGACTCCAATTTTCAAGTGCCAAATGGAG
GAATACCTCGAATGCAGCCTCAGGCTTCAGCCACTTCTCAAAGGCTGAAAAGTTTGCCTCGTACTTCCCT
CAAAGCCAAACAGTTGCTTCCAACTTCATCTACAAAAAGAGTACCTTCTCCAGGCAAATTCCGCTCCCCT
GCAGCACCGTCTCCATTGGCTCTTCGGCAACCAGTGAAAGCGTTTAGTAACCATGGCTCTGGTTCTGGTA
GCCAAGAAACTACCCAGTTCACACAAACCACCTCCTCACCTGGGCCTCCTGTGGTGCAGAACTCAGCCCC
AGCAAACCCTTCCAGCAATATCAACAGTGCCACTCTAACCAGACCTGCAGGGACAACTGCAATGAGGAGT
GGCCTGCCCCGGCCAAGCGCCCCTTCTGCGGGGGGCATCCCAGTGCCTCGCAGCAAGCTTGTACAGCCTG
TTCGAAGATCATTGCCAGCTCCTAAAAGTTATGGTAGCATGAAAGATGACAGTTGGAAAGACGGCTGTTA
CTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_153567

Insert Size: 1824 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:	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_153567.3, NP_705795.2
RefSeq Size:	4865 bp
RefSeq ORF:	1824 bp
Locus ID:	75991
UniProt ID:	Q8CI08
Cytogenetics:	5 C3.2
Gene Summary:	Binds to the plus end of microtubules and regulates microtubule dynamics and microtubule organization. Promotes cytoplasmic microtubule nucleation and elongation. Required for normal structure of the microtubule cytoskeleton during interphase.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).