

Product datasheet for **MC219320**

Slain2 (NM_001113423) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slain2 (NM_001113423) 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: >MC219320 representing NM_001113423
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGACGTTAACTCCAATGTGAACGCGGACCAGGAGGTGCGGAAGCTGCAGGAGCTGGTGAAGAAGC
 TGGAGAAGCAGAACGAGCAGCTGAGGAGCCGCTCGGGAGCCGTGCAGGGTGCAGGCTCCTCGGGCCCGG
 CAGCCCAGCTCGGGTTCGGCGTGTCCACCCTTCGTCGGGCGCGGCGTCCCCTCGGGGCTTCCCGCTGGG
 CTGGGCGCAAGGCCAGCGGGCGGGGCGGGCTCCGGCCCGCAGCGACCAGCAGCGAGGACCTGCGGGACG
 CCACCTCCTTGCTGGCGCCGGCGAGGGAGGCTTGTGGACGAGGTAGAGCCGCTGCGGCCGACGAGCT
 GGAGCGCTTGTGAGGCTGGGAGGAGGAAGAGGAGAGCTGGTTGTACTCATCACCAGAAAAAACTCACA
 CCAATGCAGAAATCTGTCAGTCCATTAGTTGGTGCAGGCAAGTTTTGGATTACCCAAGTCTGATGTGG
 AGTGTGCTAAAAAGTCCCTTATCCACAACTTGATCAAATATGTCAGCTCTCAAGAGGCAAAATTTATA
 CAATAATCCTTTCAACTCTGTGAGTTACTCAAATTCCTATAGTCCAAATGCCAGTAGCCCATACAGCAGT
 GGCTTCAACTCTCCATCCTCAACACCAGTGCAGCTCCCATAGTCAAGCAGCTTATACTTCTGAAATT
 CAGGTAACCTTCAAAGTTCATCAGATAGAAACCCTCCACTCAGCCCTCAGTCTCTATAGATAGTGAGTT
 AAGTGCTTCAAGATTAGATGAAGATTCAATTGGATCCAATAAAGCTAAATGATGTAAGTATGATGTGCAG
 ATTCTAGCGCGGATGCAGGAAGAAAGTCTCCGGCAAGAAATATGCAGCCAGCACCTCTCGCCGAGCTCTG
 GTTCATCTTCAATTCTACGAGGCGGGGCACTTTTAGTGATCAGGAGCTGGACGCCCAGAGCTTGGATGA
 TGAAGATGACAGTCTGCAGCATGCAGTACACCCTGCCCTTAATAGGTTTTCTCCATCCCCACGGAATTCA
 CCACGACCATCTCCTAAGCAGTGCCTCGAAATCACCTCGTTCACGGTCTCTGCCCGGGGAATAGAAT
 ACAGTAGAGCGTCCCCACAGCCTATGATTAGCCGCTTGCAGCAGCCTCGCCTTTCCCTCCAAGCCATCC
 CACAGATTTACAGACGAGCAATGTTAAAAATGAAGAAAACTTAGACGCAGTCTTCCAAACCTATCCCGA
 ACATCGAGCACACAGGTTGACTCTGTGAAAAGCAGTAGAAGTGAATCCAATTTTCAAGTGCCAAATGGAG
 GAATACCTCGAATGCAGCCTCAGGCTTACGCCATACCTTCTCCAGGCAAATTCGGCTCCCCTGCAGCACC
 GTCTCCATTGGCTCTTCGGCAACCAGTGAAGCGTTTAGTAACCATGGCTCTGGTTCTGGTAGCCAAAGAA
 ACTACCCAGTTACACAAACCACCTCCTCACCTGGGCTCCTGTGGTGCAGAACTCAGCCCCAGCAAACC
 CTTCCAGCAATATCAACAGTGCCACTCTAACCAGACCTGCAGGGACAACGCAATGAGGAGTGGCTGCC
 CCGGCCAAGCGCCCTTCTCGGGGGGCATCCCAGTGCCTGCAGCAAGCTTGACAGCCTGTTCAAGA
 TCATTGCCAGCTCTAAAAGTTATGGTAGCATGAAAGATGACAGTTGAAAGACGGCTGTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001113423
- Insert Size:** 1746 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_001113423.2](#), [NP_001106894.1](#)

RefSeq Size: 4787 bp

RefSeq ORF: 1746 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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant1. It encodes isoform b, which lacks an internal segment and is shorter, compared to isoform a.