

Product datasheet for **MR209088**

Slain1 (NM_198014) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slain1 (NM_198014) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Slain1
Synonyms:	9630044O09Rik; AA675320; AW742596
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR209088 representing NM_198014
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGATGGCGGAGCAGGTGAAATGCGCCTCGCCGTTGGCGCCTCCGGCGCCGGCCCGGGCCGGTGTGA
 ACGCCGAGCTGGAGTGAAGAAGCTGCAGGAGCTGGTGCACAAGCTGGAGAAGCAGAACGAGCAGCTGCG
 CAGCCGGGCGCCAGTGCGGCCGCCGCCACCTGCTGCTGCAGCCGCCGCCCTCCGCCCCG
 CCGCCAGCCGGGCTGCAGCCGCTCGCCACGCACAGGGCCCGCCAGCACGACCTCCCGGGCCCGG
 GGGCGTGGGCCCGGTTCCCGGGCACCTACTGCTTGCCAGCCCGCGCCCTCCCTGCTGCAGCCT
 GCAGCCGGCTGACGCGCCTTCGTCTACTCCAAGCCGGCGGGGCTTCTCGCGGAGGTGGCAGCCCG
 GAACCGGGGACCCAGGGACCCCGGGGAAGCCGCCAGCCCGGCTTCCGCTCCAACGCTGCTGG
 ACGAGGTGGAGCCGCTGGACCTGGAGAGCTTGGCCGCTGGAGCGAGGAGGAGACTACACCTGGTTATA
 TGTTGGCTCTTCAAAGACATTCACCTACCAGAGAAATCCCCGAGTCTTTCAGTGGTGTAGACATGTC
 CTAGATAACCCAACTCCTGAGATGGAAGCAGCCAGACGCTCTCTGCGCTTCACTGGAGCAAGTTATA
 CCTCCAGGGCTCTCCACTTAGTCCGAGTCCATCGACAGTGAAGTACCTCGGAGTTGGAGGA
 TGACTCTATATCCATGGGATATAAATTACAGGACCTTACTGATGTTAAGATCATGGCTCGTCTGCAAGAA
 GAGAGTCTCAGGCAAGACTACGTTCCACGTCAGCATCAGTGTCCAGAAACAGTTCAGTGTATCCCTGA
 GTTCAGGAAAAAGGGGACATGCAGTGTCAAGAGTATGATCGTACAGCCTGGAGGACGAGGAAGATT
 TGACCATCTGCCGCCACCCAGCCCGTCTTCCGAGGTGTTACCTTTCCAAAGAGGGATCCCCACTCA
 CAGACTTTCTCCAGCATCCGGGATTGCAGGAGGAGCCCACTACCCAGTATTTCCCTCAAATAACTTCC
 AGCAGCCACAGTATTACCCACTCAAGCCAGACTGCAGACCAGCAACCAATAGGACCAATGGAGTAA
 GCTACGAAGAAGCATGCCTAATCTGGCCCGGATGCCGAGCACCGCTGCGGCCAGCAGCAACCTCAGCTCT
 CCTGTGACAGTGAAGGAGCAGTCAAGACTTGTACTCCAGCTTGCATGGAGCTGGAAGTGGGTTTCTCGGG
 TACCGTCTGCATCCCGTACCAGGACAGATTCAGCACAGAGTTCACAGCGTGGGCCACTTCCAGTGCC
 CATCCGGCAGCCCTGAAGGCCACAGCCTATGTGAGCCCAACTGTTCAAGGCAGCAGCAGCAGCGGCAGC
 AGTGGTAGCAGCGCGGCAGCGGCAGCGGCATGCCTTTATCCAATGGCACGCAGTATATCCACCACGG
 GCATCCCTACTCCGAACAAAGCTGCGGCTTCTGGGATCCTGGGTCGAGCGCCCTCCGAGACCTTCACT
 GGCAATAATGGGAGTAACCTGCCTCGGAGCAAGATTGCACAGCCTGTCAGAAGCTTCTGCAGCCTCC
 AAGCCTCTGTCTTCACTCAGCACACTGAGGGATGAAATTGGAGAGACGGTTGCTAC

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR209088 representing NM_198014
 Red=Cloning site Green=Tags(s)

MMAEQVKCASPVAAASGAGPGPVVNAELVKKLQELVRKLEKQNEQLRSRAASAAAAPHLLLQPPPPSAP
 PPAGACSPATHRAPASTTSPGPGALGPAFPPTYCLPSPAPSLLCSLQPADAPFVYSKPAAGFFGGGGSP
 EPGTAGTPPGEAATPPLPPPTLLDEVEPLDLESLAAWSEEDDYTWLYVGSSTFTSPEKSPSPLQWCRHV
 LDNPTPEMEAARRSLRFRLQGYTSRGSPLSPQSSIDSELSTSELEDDSI SMGYKLQDLTDVQIMARLQE
 ESLRQDYASTSASVSRNSSVSLSSGKKGTCSDQYDRYSLEDEEEFDHLPPPQPRLPKSPFQIRGIPHS
 QTFSSIRDCRRSPSTQYFSPNFPQYYPQAQTADQQPNRTNGDKLRRSMPNLARMPSTAAASSNLSS
 PVTVRSSQSFDSLHGAGSGVSRVPSCIPSPGQIQHRVHVSVGHFPVPIRQPLKATAYVSPTVQSSSSGS
 SGSSGSGSGMPLSNGTQLYSTGTIPTPNKAAASGILGRSALPRPSLAINGSNLPRSKIAQPVRSFLQPP
 KPLSSLTLRDGNWRDGCY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

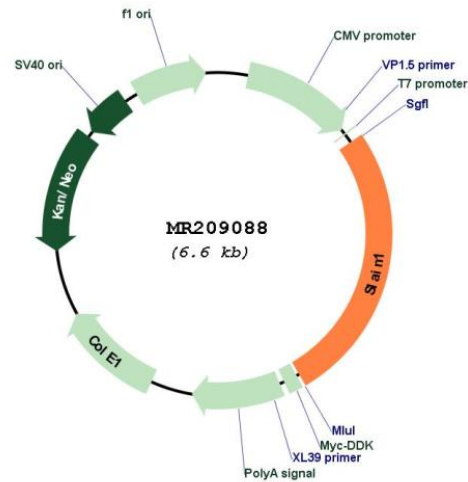
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_198014
 ORF Size: 1737 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:	<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_198014.3
RefSeq Size:	2757 bp
RefSeq ORF:	1740 bp
Locus ID:	105439
UniProt ID:	Q68FF7
Cytogenetics:	14 E2.3
MW:	61.8 kDa
Gene Summary:	Microtubule plus-end tracking protein that might be involved in the regulation of cytoplasmic microtubule dynamics, microtubule organization and microtubule elongation. [UniProtKB/Swiss-Prot Function]