

Product datasheet for **MG209088**

Slain1 (BC079866) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slain1 (BC079866) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slain1
Synonyms:	9630044O09Rik; AA675320; AW742596
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG209088 representing BC079866
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGATGGCGGAGCAGGTGAAATGCGCCTCGCCGCTGGCGGCTCCGGCGCCGGCCGGGGCCGGTGGTGA
 ACGCCGAGCTGGAGGTGAAGAAGCTGCAGGAGCTGGTGCACAAGCTGGAGAAGCAGAACGAGCAGCTGCG
 CAGCCGGGCGGCCAGTGCAGGCCGCCGCCCGCACCTGCTGCTGCTGCAGCCGCCGCCGCCCTCCGCCCG
 CCGCCAGCCGGGCGCTGCAGCCCGCTCGCCACGCACAGGGCCCGGCCAGCACGACCTCCCGGGGCCGG
 GGGCGCTGGGCCCGCGTTCCCGGGCACCTACTGCTTGCCAGCCCGCGCCCTCCCTGCTCTGCAGCCT
 GCAGCCGGCTGACGCGCCCTTCGTCTACTCCAAGCCGGCGGGGCTTCTTCGGCGGAGGTGGCAGCCCG
 GAACCGGGGACCGCAGGACCCCGCGGGGAAGCCGCCACGCCCGCTTCCGCTCCAACGCTGCTGG
 ACGAGGTGGAGCCGCTGGACCTGGAGAGCTTGGCCGCTGGAGCGAGGAGGAGACTACACCTGGTTATA
 TGTGGCTCTTCAAAGACATTCACCTACCAGAGAAATCCCCGAGTCCTTGCAGTGGTGTAGACATGTC
 CTAGATAACCCAACTCCTGAGATGGAAGCAGCCAGACGCTCTCTGCGCTTCAGACTGGAGCAAGGTTATA
 CCTCCAGGGGCTCTCCACTTAGTCCGAGTCATCCATCGACAGTGAAGTGAAGTACCTCGGAGTTGGAGGA
 TGACTCTATATCCATGGGATATAAATTACAGGACCTTACTGATGTTTCAAGTATGAGTCTGCTGCAAGAA
 GAGAGTCTCAGGCAAGACTACGCTTCCACGTCAGCATCAGTGTCCAGAAACAGTTCAGTGTATCCCTGA
 GTTCAGGGAAGAGGGGACATGCAGTGTCAAGAGTATGATCGCTACAGCCTGGAGGACGAGGAAGAGTT
 TGACCATCTGCCGCCACCCAGCCCGCTTCCGAGGTGTTACCTTTCCAAAGAGGGATCCCCACTCA
 CAGACTTCTCCAGCATCCGGGATTGCAGGAGGAGCCCGAGTACCCAGTATTTCCCTCAAATAACTTCC
 AGCAGCCACAGTATTACCCACCTCAAGCCAGACTGCAGACCAGCAACCAATAGGACCAATGGAGATAA
 GCTACGAAGAAGCATGCCTAATCTGGCCCGGATGCCGAGCACCGCTGCGGCCAGCAGCAACCTCAGCTCT
 CCTGTGACAGTGAAGGAGCAGTCAAGGCTTGAAGTCCAGCTTGCATGGAGCTGGAAGTGGGTTTCTCGGG
 TACCGTCTGCATCCCGTACCAGGACAGATTACGACAGAGTTCACAGCGTGGGCCACTTCCAGTGCC
 CATCCGGCAGCCCTGAAGGCCACAGCCTATGTGAGCCCAACTGTTCAAGGCAGCAGCAGCAGCGGCAGC
 AGTGGTAGCAGCGGCGGAGCGGAGCGGCATGCCTTTATCCAATGGCACGAGTTATATCCACCACGG
 GCATCCCTACTCCGAACAAAGCTGCGGCTTCTGGGATCCTGGGTCGAGCGCCCTCCGAGACCTTCACT
 GGCAATAAATGGGAGTAACCTGCCTCGGAGCAAGATTGCACAGCCTGTCAGAAGCTTCTGCAGCCTCCC
 AAGCCTCTGTCTTCACTCAGCACACTGAGGATGGAATTGGAGAGACGTTGTCTAC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

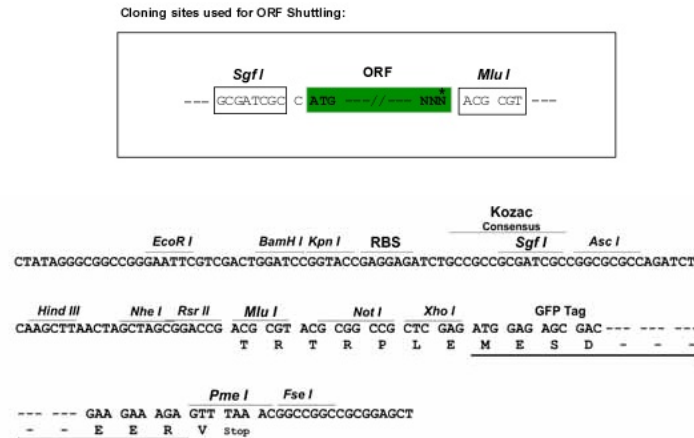
>MG209088 representing BC079866
 Red=Cloning site Green=Tags(s)

MMAEQVKCASPVAAAGSAGPGPVVNAELVKKLQELVRKLEKQNEQLRSRAASAAAPHLLLLQPPPPSAP
 PPAGACSPATHRAPASTTSPGPGALGPAFPGTYCLPSPAPSLCSLQPADAPFYVSKPAAGFFGGGGSP
 EPGTAGTPPGEAATPPLPPPTLLDEVEPLDLESAAWSEEDDYTWLYVGSSTFTSPEKSPSPLQWCRHV
 LDNPTPEMEAARRSLRFRLEQGYTSRGSPLSPQSSIDSELSTSELEDDISMGYKLQDLTDVQIMARLQE
 ESLRQDYASTSASVSRNSSSVLSGKKGTCSDQYDRYSLEDEEEDHLPQPRLPRCSFQRGIPHS
 QTFSSIRDCRRSPSTQYFSPNNFQQPQYYPQAQTADQQPNRTNGDKLRRSMPNLARMPSTAAASSNLSS
 PVTVRSSQSFDSLHGAGSGVSRVPSCIPSPGQIQHRVHSVGHFPVPIRQPLKATAYVSPTVQSSSSGS
 SGSSGSGSGMPLSNGTQLYSTTGIPNKAASGILGRSALPRPSLAINGSNLPRSKIAQPVRSFLQPP
 KPLSSLSTLRDGNWRDGCY

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: BC079866

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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [BC079866](#), [AAH79866](#)

RefSeq Size: 2757 bp

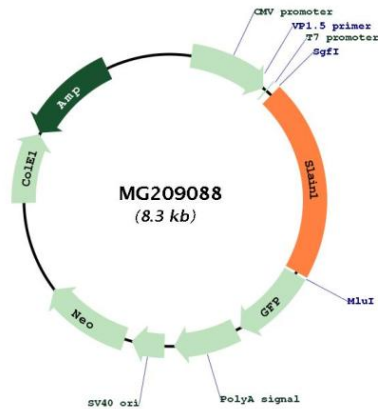
RefSeq ORF: 1739 bp

Locus ID: 105439

Cytogenetics: 14 E2.3

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]

Product images:



Circular map for MG209088