

Product datasheet for **MG204588**

Slain1 (BC025223) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slain1 (BC025223) 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)
ORF Nucleotide Sequence:	>MG204588 representing BC025223 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTGAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGGGATATAAATTACAGGACCTTACTGATGTTTCAGATCATGGCTCGTCTGCAAGAAGAGAGTCTCAGGC
AAGACTACGCTTCCACGTCAGCATCAGTGTCCAGAAACAGTTCAGTGTATCCCTGAGTTCAGGGAAAAA
GGGGACATGCAGTGATCAAGAGTATGATCGCTACAGCCTGGAGGACGAGGAAGAGTTTGACCATCTGCCG
CCACCCAGCCCCGTCTCCGAGGTGTTACCTTTCAAAGAGGGATCCCCACTCACAGACTTTCTCCA
GCATCCGGGATTGCAGGAGGAGCCCCAGTACCCAGTATTTCCCTCAAATAACTTCCAGCAGCCACAGTA
TTACCCACCTCAAGCCCAGACTGCAGACCAGCAACCAATAGGACCAATGGAGATAAGCTACGAAGAAGC
ATGCCTAATCTGGCCCGGATGCCGAGCACCCTGCGGCCAGCAGCAACCTCAGCTCTCCTGTGACAGTGA
GGAGCAGTCAGAGCTTTGACTCCAGCTTGATGGAGCTGGAAGTGGGTTTCTCGGGTACCGTCTGTCAT
CCCGTCACCAGGACAGATTACAGCACAGATTACAGCGTGGGCCACTTCCAGTGCCCATCCGGCAGCCC
CTGAAGGCCACAGCCTATGTGAGCCCACTGTTCAAGGCAGCAGCAGCGGCAGCAGTGGTAGCAGCG
GCGGGCGGCAGCGGCATGCCTTTATCCAATGGCAGCAGTTATATTCCACCACGGGCATCCCTACTCC
GAACAAAGCTGCGGCTTCTGGGATCCTGGGTCGACGCGCCCTCCGAGACCTTCACTGGCAATAAATGGG
AGTAACCTGCCTCGGAGCAAGATTGCACAGCCTGTCAGAAGCTTCTGCAGCCTCCAAGCCTCTGTCTT
CACTCAGCACACTGAGGGATGAAATTGGAGAGACGGTTGCTAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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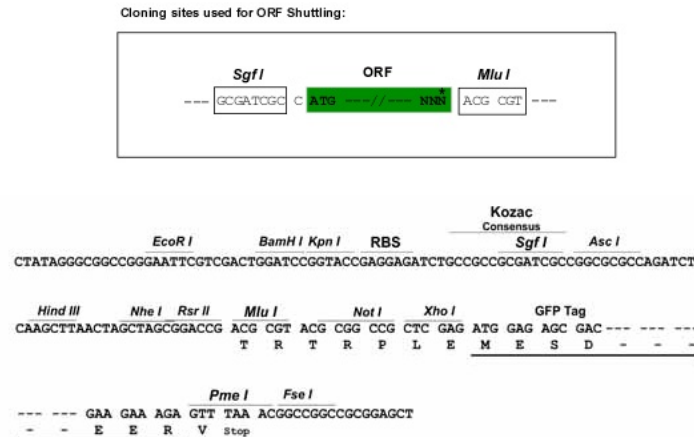
Protein Sequence: >MG204588 representing BC025223
 Red=Cloning site Green=Tags(s)

MGYKLQDLTDVQIMARLQEEESLRQDYASTSASVSRNSSSVSLSSGKKGTCSDQEYDRYSLEDEEEFDHLP
 PPQPRLPRCSPFQRGIPHSQTFSSIRDCRRSPSTQYFSPNNFQQPQYYPQAQTADQQPNRTNGDKLRSS
 MPNLARMPSTAAASSNLSSPVTVRSSQSFDSLHGAGSGVSRVPSCIPSPGQIQHRVHVSUGHFPVPIRQP
 LKATAYVSPTVQGSSSSSGSSGSSGSSGSMPLSNGTQLYSTTGIPNPKAAASGILGRSALPRPSLAING
 SNLPRSKIAQPVRSLQPPKPLSSLTLRDGNWRDGCY

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC025223

ORF Size: 954 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: [BC025223](#), [AAH25223](#)

RefSeq Size: 1213 bp

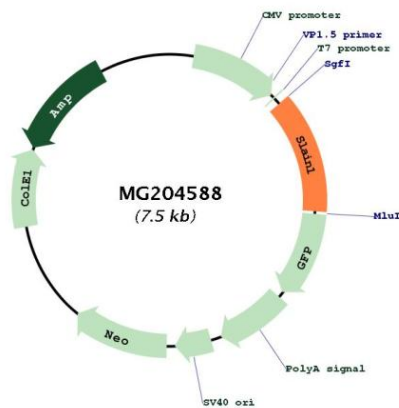
RefSeq ORF: 956 bp

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 MG204588