

Product datasheet for **MG207593**

Saal1 (BC087944) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Saal1 (BC087944) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Saal1
Synonyms:	5031425D22Rik; SPACIA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG207593 representing BC087944
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATCGAAACCCGTCTCCTCCGCCCTACCTGTGGTTCGGAGGATGAAGAGGACCTGGGTGGGGGAG
 ACCGCATCGGGAGCACGGTCTACAGCAAGCACTGGCTCTTCGGCGTCCTCAGCGGGCTCATCCAGATTGT
 CACACCTGAAAGTGACACATCTGGCTCAGCTGATGAGGAAGAACAGGCAGATCTTGCTGAAGAAATGGAG
 AATGAGATTTGCAGAGTCTGGGATATGTCCATGGACGAGGATGTGGCTTTATTTCTCCAAGAATTTAAGG
 CTCCTGACATATTCATGGGAGTGTGGCCAAATCCCCGTGTCCCGATTAAGAGAAATCTGTGTGGGAAT
 TTTAGGGAATATGGCTTGTTCGGGAGATATGCGAGTCCATCAGCAAGAACGAGGATCATGGGCAGGTG
 CTGCTGCAGTGTTGTGTGACTCAGACCCACCCACCTGCTGGAACTTGCAGGTTGTTGCTTACTTGCC
 TTTCCAGACAGAAGTGCCAGTGTCTGGTTAGAAGGATCCGGGAACACCCATCTGTCTACGCTAACGT
 TTGCTTCATCATGTCCAGTTCAACAAACGTTGACTTGCTGGTGAAGGTCGGGAGGTCGTGGACAAACTC
 TTTGACTTAGATGAAAACTCATGTTGGAATGGATTAGAAAGGGGCTACCCGGCTTCAGGCCAACCCC
 ACGAGGACTCTGAAGAGCAGCCAGTGTTTTCCATTGTACCCTGTGTGCTGGAAGCTGCCAAACAAGTGCG
 CTCTGAAACCTGGAGGGGCTGGATGTTACATGCGCATCTTACAGCTGCTCACCACGGTGGATGACGGC
 GTGCAAGCCATCGTGCAGTGTCTGATACTGGAACGACACGTGGCGTTTACTCTTTGACCTGGTGTGCC
 ATGAATTCTGCCAGCCTGATGACCCGCCTGTCTACTGCAGGAACAGAAGACAGTGCTAGCGTCTGTCTT
 CTCAGTGCTGTGAGCCATCAGTGCCCTACGGGCCGAACAGGAGCACCTGAAGATAGAAGAAGGGGATCTT
 CCTCTAATTGACAGCCTAATTCGGGTATTACAAAATATGGAACATTGTCAGAAGAAACCAGAGAACCCT
 CAGAGTCTGATACAGAAGAGCCTACGATCTGTGGTCCCACCCAAGACGACTTCCATATGAAGATCTTGAA
 GGACATTTTCATGTGAATTCCTTTCTAATATTTTCAGGTGTTAACAAGGAAAAGGTGGCTCAGGGACTG
 AAGGAGGGCCAGTTAAGCAAGCAGAAGTCTCCTGCGCCTTTCAGAGCCTCCTGCCCTCTACGGCCCTG
 CAGTGGAAGACTTCGTTAAAGTCGTACGTGAGGTCGATGAGGCTCTTGCTGATGACCTAGAAGACAGCTT
 CCCAAGTGTGAAGGCACAGACT

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG207593 representing BC087944
 Red=Cloning site Green=Tags(s)

MDRNPPPPPTCGSEDEEDLGGGDRIGSTVYSKHWLFGVLSGLIQIVTPESGTSGSADEEEQADLAEME
 NEICRVWDMMDLVALFLQEFKAPDIFMGVLAKSPCRLREICVGILGNMACFREICESISKNEDHGQV
 LLQCLCDSDPPTLLETCLLLTCLSQTEVASVWVRRIREHPSVYANVCFIMSSSTNVDLLVKVGEVVDKL
 FDLDEKLMLEWIRKGATRLPGQPHEDSEEQPVFSIVPCVLEAAKQVRSENLEGLDVYMRILQLLTTVDDG
 VQAIIVQCPDTGNDTWRLFLDLVCFECQPDPPVILQEQTIVLASVFSVLSAISASRAEQEHLKIEEGDL
 PLIDSLIRVLQNMEHCQKKNPENSEDTEPTICGPTQDDFHKILKDISCEFLSNIFQVLTKEKVAQGL
 KEGQLSKQKCSAFQSLPLLYGPAVEDFVKVREVDEALADDLEDSFPSVKAQT

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

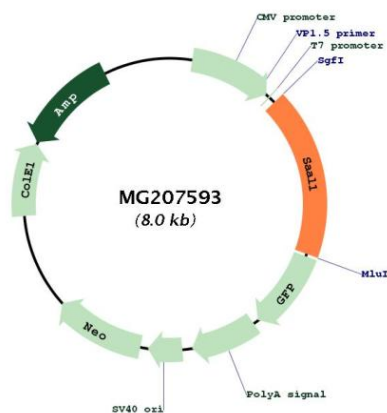
Cloning Scheme:


ACCN:	BC087944
ORF Size:	1422 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:	BC087944 , AAH87944
RefSeq Size:	1540 bp
RefSeq ORF:	1424 bp
Locus ID:	78935

Cytogenetics: 7 B3

Gene Summary: Plays a role in promoting the proliferation of synovial fibroblasts in response to proinflammatory stimuli.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG207593