

Product datasheet for **MG214569**

Ssc5d (NM_173008) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ssc5d (NM_173008) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ssc5d
Synonyms:	A430110N23Rik; S5D-SRCRB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG214569 representing NM_173008 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGGGCTTGGCTGCCTCCTTGCAATGCTGGTGGGGATCCAGGCTATAGAGCGACTCCGCTGGCTG
ATGGTCTCATGGCTGCGCAGGACGCCTGGAGGTCTGGCAGCGGGCGCTGGGGACCGTGTGTGATGA
CGGATGGGACCTTCGGGATGCTGAAGTGGCTGCCGTGTGTTAGGCTGCGGAGGGGCGCTGGCAGCCCT
GGGGTGCCTTCTCGGGAGGGCACTGGGCTGTATGGCTCAGTGAAGTGAAGTGTGGGGCAATGAGG
GTCAGCTGGGTATCTGTCCACCGGGGCTGGAAGGCCATATCTGCTCATGAGGAGGACGAGCGGT
CGTCTGTGTAGGTGAGCTGACGTAAGTCTAGAGAAGATTCAATGTCCCTGCTGGATGGGGATCCATGG
CTGGCACTGTCTGGGAGCTAAGCCCCAGCTCAGAGGAGCCCCATAAATCACGCTCCCAACCCAGCAG
CAAGTCCCAGAAATGGCCCCGGAAGAAGAACCCCGGCCACCAAGCAGACCAAGTCCACCCGAGCCCC
TGTAAGTACAAATGGAGCTCCCCACCAAGAGCGGCTGCGACTGGTCTCAGGTCCCACGGATGTGCCGGC
CGCTGGAAGTCTGGCAGGCTGGACGTTGGGGCACTGTCTGTGATGATGGATGGGACCTCCGAGATGCAG
CGGTGGCTGCAGGAGCTGGGATGTGGGGAGCGCTGGCCGCCCTGGGGTCCAGATTTGGACCTGG
TGAGGGACCTGTGTGGATGGATGACGTGGGGTGTGGAGGAGGAGAGGAGGCCCTCCGAGACTGTCCCCGA
AGCCCCGGGGCCGGAGCAACTGTGACCACCCAGGATGCAGGGCTGGTCTGCACCGGCTCCTGCACCCA
GGATACGCCCTTGCTGATGGTCCACCGGCTGTGCTGGCCGCTGGAGGTGTGGCATGGTGGACGATGGGG
GTCGGTGTGTGACGATGCCTGGGATCTTCGCGATGCTGCTGTGGCCTGCAAGGAGCTGGGCTGTGGGGT
GCCCTGGCCGCCAGGGGGCGCCTTCTTTGGAGAGGGGACTGGACCCATCATCTGGATGATCTCAGAT
GTCGAGGAAATGAGACAGCCTTGCATTCTGTCTGCGAGGCCCTGGGGTCCAGCAGACTGTCCACCAG
GGAGGATGCTGGGGCCGTGTGTGATGGCATGCCTCTCGGTGCTGTGCAGCCTACAGTTCTGCAGTGGAC
AGCAACAGCACGGCACACAGGCTTCTGTCTACCTCCGTGGGTGAGATGCCAGGCCAGCAGGCCCTTGGC
CTCCTTCTGCTTCTCCTACTGCCCTCCAGAGCCTGGGCCGAAGCTGGGTCCCCCAGTTGCCCTGGT
GGCTGGACCCAGCAGGTGCTCTGGCCGGCTGGAGGTATGGCATGACGGACGCTGGGGACAGTATGTGAT



[View online »](#)

GACAGCTGGGACATGAGAGACTCAGCTGTGGTCTGCCGGGAGCTGGGCTGTGGGAGGCCTCGGCAACCAG
 ACCCCGCAGCAGGCCGCTTTGGCTGGGGTGCAGGCCCATCTGGCTGGATGACGTAGGTTGTATGGGGAC
 GGAGGCTTCACTGTCAGAATGCCCTGCTGCTTCTGGGGAAACACAATTGCGCCCAATGAGGATGTC
 GGGGTTACCTGCACTGGGACCCCGGCCTGGATACCATCTCAGACCCTTTCAGTTGGAGCTGGCTCCCTG
 GGCTGGGTAGAGATCAGGATGCCTGGCTCCCAGGAGAGCTAACCCAAACCTTCTGCCAGTCTCACCTC
 CAGTGTGCCACAGAAACCACAAAGTTCCAGGGAAAGCTCCCAAGAGTACCAAGAAGTGGGTGACTAAA
 AATGCAAAGAGACCAACCCTCAGCCCCCTGGGATGCCAACCCAAACATTCCAGGGCCCCAGGCACCC
 CAACCTCCCTACATCCAACAGCAGTACCTCTGAGTTACCAAAGAGACTGACCCTGAGGCTCCCCACAG
 GCAGACCTCACATACCACTGTAAGGCTGACCCCTAGGGTCCCCTGGGAGTGGACCTCAGAGCCTGTGGTG
 TCACAGTCCACTCAAGTCCCCAAGAAGTGACCTCTGAGGCCACCACAACGGAAAACCTCAGACCTCTT
 TGGAGCCATCGGGTGAGAACACCGAAGGCTCTCTGGAATCATCCAAGATCCAGCTACCACCCAACTGC
 TGGAGTCCCTGTGCCATCAGTCCCTTCCGGGTTCTGTGGTGTGAGGCCCCAACAGGTGTGCTGGCCGG
 CTAGAGGTGTGCCATGCTGGACTCTGGGAACAGTCTGTGATGACAGCTGGGACATCCGGGATGCCACAG
 TGGCCTGTGGGAGCTGGTTGCGGAAAGTCCGGCCCCGAGTAGGCAAACTACTATGGCCCTGGCAC
 TGGGCCCATCTGGTTGGATGACATGGGCTGTAAGGAAGTGAGATGCTACTGAGTACTGCCCTCGGGG
 GCATGGGGGAAGCACAACCTGTGACCACGAAGAAGCTGGTGCTCACCTGCACTGGCTACACGGGTGATG
 ACGATTATCCTTCTGGACCTGGGACCTACTTCCGGAGAGGACCTGACCAAAGGGACCACAGTGGCTGC
 GCGGCCTGGACATACACTTCTGGGCTACCACTACAAACTGAAGTCCCCTCTCCAGCAACACAGAAC
 CTTCCAGACACGGATGACCAGGGAGGTTATGAGTCTTCTGGACGTGGGATACACCTTCAGGAAGGGGTC
 TGTTCAAGGGGACCCCAACCAAGCCTGGATCCACAGTTACCACTAGCACCAGCAAGAGTCCCGG
 CCACCCCTTCCAGCTCCAAGGGCCCGTGCAGGTTACCAAGGAAGCCAAACCTGAGCGCCGGCCGCTG
 CCCACCTCAGCCACCCTCATCTCTGCTTCTCCTCTTACCAGAGCCTTCTGGCTCAGGCAGACCT
 CTGGCTCTGGCCACAACCTCAACAGACTCAAAGCAGGAGGGGACCTTAGCTCCCCAAACCTACTCT
 ACTCACCCAGGACTTCCCTCCCAGCAACCTTTGCCTTGTCCACTCCTAATACCAGTTTGTCTTCCAACA
 CGTTCCCCAGAGCTTTCAGGCAGCCCAACCCACCTCCCCTGAAGGGCTAACCTCTGCCTCCTCTATGC
 TATCAGAAGTGAGCAGGCTTCTCCTACCTCAGAGCTGACTCCAGGACCTGACACAACACCAGCACCTGA
 AATAATCCAGAAAGTTCTGACTCCTCAGACCTCCCCATGAACACCAGGACCCCCACACAGCCGTTTACA
 GCCTCTCACCCACCAGCATCCCTCAACTCAACACAACCTTCTTACCCACCATTGCCCTCAACCTACCA
 CAAACCTCAGCAACCCAGGAGCCCTACCCCGCCACAAGTCTCAACCTCCCACCAATACTCACCTTTC
 CTAACCCCTGCCACCCCTACAGAGTCCCTTCCATCCTCCGAAAGACAGAATTTCTCTCCCACTAAG
 CCTAGACTAAACTCAGAGTTGACCTTTGAGGAAGCCCCATCCACAGACGCATCCCAGACGCAGAACCTAG
 AGCTCTTCTAGCTCGGAGTCCGGCCCTCCAGTCCCTCTCCAGCCTCAAACCTGGACCCACTACCCAC
 AGATGCCTTCAAACCACCCAGAAGCCAGACCTTACACTCAGCTTCCAGACCCTCACTCAAGGGCAACC
 CCTAATCAACCCAGATCCTTTTGGGCATGTGTGTCCCATACCACCAGTAAGGGTCATGGCTGTG
 AGCCACCTGCCTTGGTGGAGCTGGTAGGTGCTGTGAGGGAGGTGGGTGACCAGCTGCAGAGACTGACCTG
 GGTCTGGAGCAGGACCGGCAGGAGCGCAAGTCTGGCACTGGGCTAGCCAGTTGGTAGAGGCTGCT
 CAGGGGTTGGGGCAGCTGAGTGAAGTGTAAAGAGGCTAGCAGAGGTGGCTGGCCCCCAGCACTCCTG
 TGCCATGACCACCACAGAGGAGGAGAGGCTCTGAGGGGAGATGTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG214569 representing NM_173008
 Red=Cloning site Green=Tags(s)

MRGLACLLAMLVGIQAIERLRLADGPHGCAGRLEVWHSRWTVCDDGWLDRDAEVACRVLGCGGALAAP
 GGAFEGGTGPVWLSELNCRGNEGQLGICPHRGWKAHICSHEDAGVVCVQRAANSREDSMSLLDGD
 PWLALSGELSPSSEEPPIHAPQPAASSQNGPRKKNPRPPKQTKSTRAPVLNNGAPHQERLRLVSGPHGCAG
 RLEVWHGGRWGTVCDDGWLDRDAAVACRELGCGGALAAPGGARFGPGEVWMDVCGCGGEEALRDCPR
 SPWGRSNCDHTEAGLVCTGPAPRIRLADGPHGCAGRLEVWHGGRWGSVCDDAWDLRDAAVACKELGCGG
 ALAAPGGAFFGEGTGPIILDDLRCRGNELALRFPCARPWGQHDCHHREDAGAVCDGMPLGAVQPTVPAVD
 SNSTAHRLLSTSVGQMPGPAGWPSPASPTAPPEPGPEAGSPQLRLVAGPSRCSGRLEVWHDGRWGTVC
 DSWDMRDSAVVCRELGCGRPRQPDPAAGRFGWGAGPIWLDVGCMTGTEASLSECPAASWGKHNAHNE
 DVGVTCTGTPLDITSDPFSWSWLPGLGRDQDAWLPGELTTKPSASLTSSVPQKPTKVPKAPKSTKKW
 VTKNAKRPTTQPPGMPPTKHSRAPGTPTSLHPTARTSELPKRLTTEAPHRQTSHTTVRLTPRPV
 EWETSEPVV SQSTQGPQEVTEATTTENPQTSLEPSGENTEGSLESSQDPATPTAGVPVPSGPF
 RVRRLADGPNRCAGR LEVWHAGLWGTVCDDSWDIRDATVACWELGCGKVRPRVGKTHYGP
 GTGP IWLDDMGCKGSEMSELSDCP SG AWGKHNCDEEDVVLCTGYTGDDDYPSWTWDPTSGEDL
 TKGTTVAARPHTLSWATTTNTEVPSPATQN LPDTPDDQGGYESSWTWTPSGRGLFKGTPTTTK
 PGSTVTTSTSKSPGHFPAPRARAGSPRKPPTERRPL PTSATTSPPASSSPEPSGSRQTS
 GSWPQLIPDSKQEGTSSSPKPSLLTPGLPSPATFALSTPNTSLLPT RPELGSPTPTSPEGL
 TSASSMLSEVSRLSPTSELTPGPDTPAPEIIPESDSSDLPMMNTRTPTQPF T ASHPTSIP
 QLNTTSYPTIAPQPTTNPQQPRSPHPATSPQPPTNTHPSSTPATPTESLPSSRKT
 ELSSPTK PRLNSELTFEEAPSTDAQTNLELFLASESGPSSPASPANLDPDLPDAFKPPRSQ
 TLHSASDHLTQGPT PNHNPDFGPCVSPLPPVRYMACEPPALVELVGAVREVGDLQRLTWVLE
 QDRQERQVLAALGLAQLVEAA QGLGQLSETVKRLAEVAWPPSTVPMTTTEEEERPLRGDV

TRTRPLE - GFP Tag - V

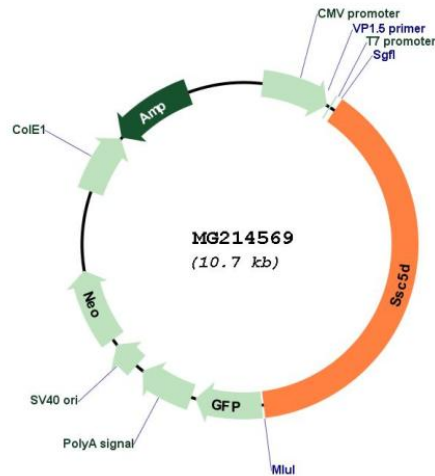
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_173008

ORF Size: 4113 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.

RefSeq: [NM_173008.2](#), [NP_766596.1](#)

RefSeq Size: 4260 bp

RefSeq ORF: 4116 bp

Locus ID: 269855

UniProt ID: [Q8BV57](#)

Cytogenetics: 7 A1

Gene Summary:

Binds to extracellular matrix proteins. Binds to pathogen-associated molecular patterns (PAMPs) present on the cell walls of Gram-positive and Gram-negative bacteria and fungi, behaving as a pattern recognition receptor (PRR). Induces bacterial and fungal aggregation and subsequent inhibition of PAMP-induced cytokine release. Does not possess intrinsic bactericidal activity. May play a role in the innate defense and homeostasis of certain epithelial surfaces.[UniProtKB/Swiss-Prot Function]