

## Product datasheet for **MC224367**

### Ssc5d (NM\_173008) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ssc5d (NM\_173008) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ssc5d  
**Synonyms:** A430110N23Rik; S5D-SRCRB  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224367 representing NM\_173008  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGGGGCTTGGCTGCCTCCTTGCAATGCTGGTGGGATCCAGGCTATAGAGCGACTCCGCTGGCTG  
ATGGTCTCATGGCTGCGCAGGACGCCTGGAGGTCTGGCAGCGGGCGCTGGGGACCGTGTGTATGA  
CGGATGGGACCTTCGGGATGCTGAAGTGGCTGCCGTGTGTTAGGCTGCGGAGGGGCGCTGCCAGCCCT  
GGGGTGCCTTCTTCGGGAGGGCACTGGGCCTGTATGGCTCAGTGAAGTGAAGTGTCCGGGCAATGAGG  
GTCAGCTGGGTATCTGTCCCAACCGGGCTGGAAGGCCATATCTGCTCTCATGAGGAGGACGCAGGCGT  
CGTCTGTGTAGGTGAGCGTGCAGCTAACTAGAGAAGATTCAATGTCCCTGCTGGATGGGGATCCATGG  
CTGGCACTGTCTGGGAGCTAAGCCCCAGCTCAGAGGAGCCCCATAAATCACGCTCCCAACAGCAG  
CAAGCTCCAGAAATGGCCCCGGAAGAAGAACCCCGCCACCAAGCAGACCAAGTCCACCCGAGCCCC  
TGTAAGTACAAAATGGAGCTCCCAACAGAGCGGCTGCGACTGGTCTCAGGTCCCACGGATGTGCCGGC  
CGCTGGAAGTCTGGCACGGTGGACGTTGGGGACTGTCTGTGATGATGGATGGACCTCCGAGACTGTC  
TGAGGGACCTGTGTGGATGGATGACGTGGGGTGTGGAGGAGGAGAGGAGGCCCTCCGAGACTGTCCCGA  
AGCCCCCTGGGGCCGAGCAACTGTGACCACCCGAGGATGCAGGGCTGGTCTGCACCGGTCTGCACCCA  
GGATACGCTTGTGATGGTCCCAACGGCTGTGCTGGCCGCTGGAGGTGTGGCATGGTGGACGATGGGG  
GTCGGTGTGTGACGATGCCTGGGATCTTCGCGATGCTGCTGTGGCCTGCAAGGAGCTGGGCTGTGGGGT  
GCCCTGGCCGCCAGGGGGCGCCTTCTTGGAGAGGGGACTGGACCCATCATCTGGATGATCTCAGAT  
GTCGAGGAAATGAGACAGCCTTGCATTCTGCTCCTGCGAGGCCCTGGGGTGCAGCAGCTGTACCACCG  
GGAGGATGCTGGGGCCGTGTGTGATGCCATGCCTCTCGGTGCTGTGCAGCCTACAGTTCTGCAGTGGAC  
AGCAACAGCACAGCACAGGCTTCTGTCTACCTCCGTGGGTGAGATGCCAGGCCAGCAGGCCCTTGGC  
CTCCTTCTGCTTCTCCTACTGCCCTCCAGAGCCTGGGCCGAAGCTGGGTCCCCCAGTTGCGCCTGGT  
GGCTGGACCCAGCAGGTGCTCTGGCCGGCTGGAGGATGGCATGACGGACGCTGGGGACAGTATGTGAT  
GACAGCTGGGACATGAGAGACTCAGCTGTGGTCTGCCGGGAGCTGGGCTGTGGGAGGCTCGGCAACCAAG



ACCCCGCAGCAGGCCGCTTTGGCTGGGGTGCAGGCCCATCTGGCTGGATGACGTAGGTTGTATGGGGAC  
 GGAGGCTTCACTGTCAGAATGCCCTGCTGCTTCTGGGGAAACAATTGCGCCCAATGAGGATGTC  
 GGGTTACTGCACTGGGACCCCGGCCTGGATACCATCTCAGACCCCTTTCAGTTGGAGCTGGCTCCCTG  
 GGCTGGGTAGAGATCAGGATGCCTGGCTCCCAGGAGAGCTAACCAACAAACCTTCTGCCAGTCTCACCTC  
 CAGTGTGCCACAGAAACCCACAAGGTTCCAGGGAAAGCTCCCAAGAGTACCAAGAAGTGGGTGACTAAA  
 AATGCAAGGAGACCAACCACTCAGCCCCCTGGGATGCCAACCAACAAACATTCCAGGGCCCCAGGCACCC  
 CAACCTCCCTACATCCAACAGCAGTACCTCTGAGTTACCAAGAGACTGACCCTGAGGCTCCCCACAG  
 GCAGACCTCACATACCCTGTAAGGCTGACCCCTAGGGTCCCCTGGGAGTGGACCTCAGAGCCTGTGGTG  
 TCACAGTCCACTCAAGGTCCCCAAGAAGTGACCTCTGAGGCCACCACAACGGAAAACCTCAGACCTCTT  
 TGGAGCCATCGGGTGAGAACACCGAAGGCTCTCTGGAATCATCCAAGATCCAGTACCACCCCAACTGC  
 TGGAGTCCCTGTGCCATCAGGTCCTTCCGGGTTCTGTGGTGTGAGGGCCCAACAGGTGTGCTGGCCGG  
 CTAGAGGTGTGGCATGCTGGACTCTGGGAACAGTCTGTGATGACAGCTGGGACATCCGGGATGCCACAG  
 TGGCCTGTGGGAGCTGGGTTGCGGAAAGTCCGGCCCCGAGTAGGCAAACTACTATGGCCCTGGCAC  
 TGGGCCCATCTGGTTGGATGACATGGGCTGTAAGGAAGTGAGATGCTACTGAGTACTGCCCTCGGGG  
 GCATGGGGGAAGCACAACCTGTGACCACGAAGAAGAGCTGGTGCTCACCTGCACTGGCTACACGGGTGATG  
 ACGATTATCCTTCTGGACCTGGGACCCCTACTTCCGGAGAGGACCTGACCAAAAGGACCACAGTGGCTGC  
 GCGGCCTGGACATACACTTTCCTGGGCTACCACTACAAACTGAAGTCCCCTCTCCAGCAACACAGAAC  
 CTTCCAGACACGGATGACCAGGGAGGTTATGAGTCTTCTGGACGTGGGATACACCTTCCAGGAAGGGGTC  
 TGTTCAAGGGGACCCCAACCAAGCCTGGATCCACAGTTACCACTAGCACCAGCAAGAGTCCCGG  
 CCACCCCTTCCAGCTCCAAGGGCCCGTGCAGGTTACCAAGGAAGCCAAACCTGAGCGCCGGCCGCTG  
 CCCACCTCAGCCACCCTCATCTCCTGCTTCTCCTCTTACCAGAGCCTTCTGGCTCACGGCAGACCT  
 CTGGCTCTGGCCACAACCTCATCCAGACTCAAAGCAGGAGGGGACCTTAGCTCCCCAAACCACTCT  
 ACTCACCCAGGACTTCCCTCCCAGCAACCTTGCCTTGCTCACTCCTAATACAGTTTGTCTCAACA  
 CGTTCCCCAGAGCTTTCAGGCAGCCCAACACCCACCTCCCCTGAAGGGCTAACCTCTGCCTCCTATGC  
 TATCAGAAGTGAGCAGGCTTCTCCTACCTCAGAGCTGACTCCAGGACCTGATACAACACAGCACCTGA  
 AATAATCCAGAAAGTTCTGACTCCTCAGACCTCCCCATGAACACCAGGACCCCAACACAGCCGTTTACA  
 GCCTCTCACCCACCAGCATCCCTCAACTCAACACAACCTTCTTACCCACCATTGCCCTCAACCTACCA  
 CAAACCTCAGCAACCCAGGAGCCCTCACCCCGCACAAGTCTCAACCTCCCACCAATACTCACCTTCT  
 CTAACCCCTGCCACCCCTACAGAGTCCCTTCCATCCTCCGAAAGACAGAACTTCTCTCCACTAAG  
 CCTAGACTAAACTCAGAGTTGACCTTTGAGGAAGCCCCATCCACAGACGCATCCAGACGCAGAACCTAG  
 AGCTCTTCTAGCCTCGGAGTCCGGCCCTCCAGTCCCTCTCAGCCTCAAACCTGGACCCACTACCCAC  
 AGATGCCTTCAAACACCAGAAGCCAGACCTTACACTCAGCTTACAGACCACCTCAAGGGCCAACC  
 CCTAATACAACCCAGATCCTTTTGGGCCATGTGTGCCCATACCACAGTAAGGGTCAATGGCTGTG  
 AGCCACCTGCCTTGGTGGAGCTGGTAGGTGCTGTGAGGGAGGTGGGTGACCAGCTGCAGAGACTGACCTG  
 GGTCTGGAGCAGGACCGGCAGGAGCGCAAGTCTGGCACTGGGCTAGCCAGTTGGTAGAGGCTGCT  
 CAGGGGTTGGGGCAGCTGAGTGAAGGCTAGCAGAGGTGGCTGGCCCCCAGCACTCCTG  
 TGCCCCATGACCACCACAGAGGAGGAGGAGGAGGCTCTGAGGGGAGATGTG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_173008

**Insert Size:** 4116 bp

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_173008.2</a></u> , <u><a href="#">NP_766596.1</a></u>
<b>RefSeq Size:</b>	4260 bp
<b>RefSeq ORF:</b>	4116 bp
<b>Locus ID:</b>	269855
<b>UniProt ID:</b>	<u><a href="#">Q8BV57</a></u>
<b>Cytogenetics:</b>	7 A1
<b>Gene Summary:</b>	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]