

## Product datasheet for **MC224586**

### Scrib (BC062888) Mouse Untagged Clone

#### Product data:

|                           |                                                      |
|---------------------------|------------------------------------------------------|
| Product Type:             | Expression Plasmids                                  |
| Product Name:             | Scrib (BC062888) Mouse Untagged Clone                |
| Tag:                      | Tag Free                                             |
| Symbol:                   | Scrib                                                |
| Synonyms:                 | Scrb1, mKIAA0147, CRIB, SCRIB1, vartul               |
| Mammalian Cell Selection: | Neomycin                                             |
| Vector:                   | pCMV6-Entry (PS100001)                               |
| E. coli Selection:        | Kanamycin (25 ug/mL)                                 |
| Fully Sequenced ORF:      | >BC062888<br>Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGAAGTGCATCCCCTCTGGCGTTGTAACCGGCACGTGGAGTCGGTGGATAAGCGGCACTGCTCGC  
TGCAGGTTGTGCCAGAGGAGATTTACCGCTACAGTCGTAGCCTCGAGGAGCTGCTCCTCGACGCCAACCA  
GCTGCGCGAGCTACCTAAGCCCTTCTCCGACTGTTGAACTTGAGAAAGTTGGGCCTCAGTGACAACGAG  
ATCCAGCGGCTGCCTCCTGAAGTGGCAACTTCATGCAGCTGGTGGAGCTAGATGTGTCCCGAACGATA  
TTCCTGAGATACCTGAGAGCATAAAGTTCTGTAAGGCTCTGGAGATTGCAGACTTCAGTGGGAACCCCT  
GTCTAGACTTCCGGATGGCTTCACACAGCTACGCAGCCTGGCTCACCTGGCCCTGAATGACGTGTCCCTG  
CAGGCACTGCCTGGAGATGTGGGCAACCTGGCCAACTCTGGTGACCTGGAACCTCCGGGAGAACCTGCTTA  
AATCTCTCCCTGCGTCCCTGTCTTTCTGGTGAAGCTGGAACAGCTGGATCTGGGAGGCAACGACCTGGA  
AGTGCTGCCTGACACCCTGGGGCTCTGCCTAACCTTCGGGAGCTATGGTTAGACCGAAACCAACTGTCA  
GCGCTGCCCCCGAGCTAGGCAATCTGCGGCGGCTGGTGTGCCTGGATGTGTGAGAGAACAGGCTGGAGG  
AGCTGCCTGTGGAGTTGGGTGGGCTGGCACTGCTCACGGATCTGCTGCTTTCCAGAACTTGCTTCAGCG  
GCTGCCAGAGGGCATCGGTCAGCTGAAGCAGCTGTCTATCCTGAAGGTGGACGAGAACCGGCTGTGTGAG  
GTCACTGAGGCCATAGGGGACTGTGAGAACCTCTCGGAGCTGATCCTCACGGAGAACCTGTTAACGGCCT  
TACCCCACTCGCTGGGCAAGCTGACCAAGCTGACTAACCTCAATGTGGACCGGAACCATCTTGAGGTGCT  
GCCTCCTGAAATCGGAGGCTGTGTGGCCCTTAGTGTCTCTCTTTGAGAGACAATCGCCTGGCTGTCTCTC  
CCTCCTGAGCTTGCCCATACCGCTGAGCTGCACGTGCTTGATGTGGCTGGGAACCGGCTGCGGAGTCTGC  
CGTTTGCGCTCACCCACCTCAACCTCAAGGCACTGTGGCTGGCCGAGAACCGGACAGCCCATGCTCCG  
CTTCCAGACTGAGGATGATGCCAGACGGGTGAAAAGGTGCTCACCTGCTACCTGCTGCCCCAGCAGCCC  
CTGCCAAGTCTCGAAGACGCTGGACAGCAGAGCAGTCCCTCAGAGAGCTGTAGTGATGCCCTCTGAGCC  
GTGTGAGTGTATCCAGTTCGAGGACACCCTGGAAGGTGAAGAGGATGCTGAGGAAGCTGCGGCCGAGAA  
GCGGGGCTACAGCGTAGGGCCACACCTCATCCAGTGAGCTCAAGGTGATGAAGAGGGGATTGAAGAG



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CCGCGGAATGAGGCCTCTGCTGCAAGGCTGACCCAGCCACCCCTCGCCTTCAGAGGAGGAGAAGAGGCTGAGTGCAGAGTCTGCCTTGAGTGGAGGCTCTGTCCCGTCAGCAAGCACAGCCTCGGAAGGTGAGCCTGATCCTGCCGGCTGAGGTACAAGGCTAGGCCAGCATGAGGCCATGCCTGCACAGGAGGAGTATACAGAA GACGACTATAACGAGCCCCACAGTGCATTTGCAGAGGACACACTGATCCCTAGGGAAGACGGTGAAAGTG AAGAGGGACAGCTTGAGGCTGCCTGGCCGCTGCCTAGTGCCCGGCAGAGGCTCATCCGCAAAGACACGCC CCACTACAAGAAGCACTTCAAGATCTCCAAGCTCCCACAGCCTGAAGCTGTCTGTGCCCTGCTGCAAGGG GTGCAGACCCGACAGGGAGGGGCCCCACTGCAGGTTGGCACAATGGCCACACACACCTTTGGGCTCCTCGAG CCCATGAGGAGGAAGAGGAGGAGGAGGAGGAGAAACAGGGATGAGGAGGAAGGCGAGGGCCACCACGGAAGA AGATGACAAAGAAGAGGCTGTGGCTTCTGCTCCCTCTGTCAAGGGGGTGTCTGTTTGACCAGGCCAATAA CTGCTGATAGAGCCTGCTCGCATTGAGGAGGAAGAGTTAACTACCGATCGTGCAGGACAGCGGGGGCC TGGGCATCAGTATCGCAGGGGGAAAAGGCTCTACCCCTACAAAGGAGATGACGAGGGCATTTCATCTC TCGAGTGTCTGAAGAGGGCCCTGCAGCCCGTGTGGAGTCCGAGTTGGTGACAAACTCTTGAGGTGAAT GGTGTAGCCTTGTAGGACGACAGTACCCAGGCCGAGGCCGTGGAAGCACTCGGGGGGACAGTGTCTGTGC AGATGCGAGTGTGGAGGGAAGAAGTGGTGAGCCGGAGAACGCACTGCTATTACCCCTTACGCCCTGA AGATGACTATAGTCCCCGAGAGTGGCGGGAGGTTGGCCTGCGCCTTCCCCTGCTCCAGCCTGAGACTCCT GTATCCCTCCGTGAGCGTCATGCTGCCTGTCTGTGCGCAGTGAAAAGGGGCTGGGCTTACGATTGCTG GTGGAAGGGGCTCCACACCTTACCAGGCTGGTATGGGGCATCTTTATATCCCGATTGCAGAGGGAGG GGCTGCTCACCGGGCAGGCACTCTACAGTTGGCGACCGTGTCTCTCGATCAATGGAGTGGACATGACT GAGGCCAGGCACGACCATGCTGTCTCCCTGCTGACTGCTGCTTCCCCTACCATCTCCCTGCTTCTGGAGA GGGAGACTGGAGGGACTTACCACCTAGCCCTCCCCCATTCTCCCCAACCCCTGCTGCTACTGTTGCTGCTACCGTGAGCACTGCTGTCCCGGAGAACCTCTGCTACCTAGGCTGTCCCCTAGCCTCTTGCCACT GCCTTGAAGGACCATACCCTGTGGAGGAAATCTGCCTGCCAGGGCTGGTGGCCATTGGGGCTTAGCA TTGTAGAGGTTCTGATCACTCCAGCCACCCGTTTGGTGTCCAAGATCCTGGTGTATTATCTCCAAGGT GCTTCTCGGGGCTAGCTGCTCGCTGTGGCCTTTCGGGTTGGGGACCGCATCTAGCAGTGAATGGGCAG GATGTTTCGGGAGGCCACACATCAAGAGGCAGTCAGTGCCTGCTCAGGCCCTGCCTGGAGCTGTGTCTGC TTGTGCGGAGGGACCCACCACCCCGGGCATGCGGGAACCTTGCAATCCAGAAAGCCCTGGGGAGAAGCT GGGTATCAGCATCCGCGGAGGTGCCAAGGGTACGCGGGGAACCCCTGTGACCCTACAGATGAGGGCATC TTTATCTCCAAGGTGAGCCCCACAGGAGCTGCCGGGCGTGATGGGCGGCTGCGTGTGGGGCTGCGGCTGC TAGAAGTGAACCAACAGAGCCTGCTGGGCCTTACCCATGCGGAAGCAGTGCAGTGTGCGCAGCGTAGG CGACACCTTACCGTGCTTGTCTGTGATGGTTTTGACACAGCAGCAACCCAGCCCTGGAGGTGTCCCCA GGTGTCAATTGCCAACCCATTGTGACAGCGCTTGGCCACAGGAACAGTCTGGAAGCAATTTGCTCCATTG ACCGGGAACCTGAGTCTGAAGGCCAGGCAAGGAAAGAGTTGGCCAGTCAAGCCCTACCCTGGGAGTC TGAGTCTGCAGAGACCAGGGTCGGAATCTAGAGCCCTGAAGCTGGACTACCGTGCCCTGGCCGCCCTG CCCAGTGCTGGGAGTTTACAGAGAGGACCATCTGCGACCAACCGAGGGAAGACGACTGAGGCTCCCTGT CCCCTGGCAGTCAGCAACCACCTCCCCTGATGAACTGCCAGCCAATGTGAAGCAGGCGTATAGGGCCTT TGCAGCTGTGCCACCGTGATCCTCTGAGAACAGTGTACCCAGCCTCCAACACCTGGTCCCGCAGCC TCCCCAGAGCAGCTGTCTTCCGTGAACGACAAAAGTACTTCGAGCTGGAGGTACGGGTGCCTCAAGCAG AGGGTCCCCAAAGCGTGTGTCCCTGGTGGGTGCTGATGACTTGCGAAGATGCAAGAGGAGGAAGCTCG CAAGCTGCAGCAGAAGAGGGCACAGATGCTTCGGAAGAAGCAGTAACCTCAGGGCCTGACATGGGGCTC GCCTCAGACAGGGAGTCCCCAGATGATACGACAGAGGCTGAGCAGCCCTGGGCTGTGCCAAGCCATGCAG GGGGCTCTAGCCCATCATCACCCCCACCCCTGGGAGGCAACGCCCTGTGAGGACAGCCAAAGCTGAGCG ACGCCATCAGGAACGGTTACGCATGCAGAGCCCCGAGCTTCTGCCCGGAACGGGCCCTGTCTCTGCA GAGCGACGGGCTCTAGAGGCAGAGAAGCGAGCTCTGTGGAGGGCAGCCAGAATGAAGTCTCTGGAGCAGG ATGCTCTCCGTGCACAGATGGTCTTAGCAAGTCCCAGGAAGGCCGTGGCAAGAGAGGACCCCTTGAACG GCTGGCTGAGGCCCCCTTACCTGCCCCACCCCATCACCCACACCATTTGAAGACTTCGGCCTCCAGACC AGTGCTCCCCCTGGACGCTTGTACCAAGATTTCTGTGGAGGAGCTGAGGACTTTGAAGCATCTCCAGCTC CTGGCTCCCAGGAAGAAGATGGAGAAGTGGCCTTGGTGTCTTGGCAGGCCCTACCTGGCGCTGTGGG CCGTGAAGACATGACGCTGTGCAGCAGCCGTGGTCTGTGCGGCCGGACGCCGGGGCCTGGGCCCTGTG C

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Restriction Sites:</b>     | Sgfl-Mlul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ACCN:</b>                  | BC062888                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Insert Size:</b>           | 4839 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>OTI Disclaimer:</b>        | 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>Note:</b>                  | Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq:</b>                | <a href="#">BC062888</a> , <a href="#">AAH62888</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>RefSeq Size:</b>           | 5424 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>RefSeq ORF:</b>            | 4838 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Locus ID:</b>              | 105782                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Cytogenetics:</b>          | 15 35.29 cM                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Gene Summary:</b>          | Scaffold protein involved in different aspects of polarized cells differentiation regulating epithelial and neuronal morphogenesis. Most probably functions in the establishment of apico-basal cell polarity. May function in cell proliferation regulating progression from G1 to S phase and as a positive regulator of apoptosis for instance during acinar morphogenesis of the mammary epithelium. May also function in cell migration and adhesion and hence regulate cell invasion through MAPK signaling. May play a role in exocytosis and in the targeting synaptic vesicles to synapses. Functions as an activator of Rac GTPase activity. [UniProtKB/Swiss-Prot Function] |