

Product datasheet for **MG211217**

Scrib (BC060689) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scrib (BC060689) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scrib
Synonyms:	Scrb1, mKIAA0147, CRIB, SCRIB1, vartul
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MG211217 representing BC060689
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGCTGAAGTGCATCCCCTCTGGCGTTGTAACCGGCACGTGGAGTCGGTGGATAAGCGGCACTGCTCGC
TGCAGGTTGTGCCAGAGGAGATTTACCGCTACAGTCGTAGCCTCGAGGAGCTGCTCCTCGACGCCAACCA
GCTGCGCGAGCTACCTAAGCCCTTCTTCCGACTGTTGAACTTGAGAAAAGTTGGGCCCTCAGTGACAACGAG
ATCCAGCGGCTGCCTCCTGAAGTGGCCAACTTCATGCAGCTGGTGGAGCTAGATGTGTCCCGAACGATA
TTCCTGAGATACCTGAGAGCATAAAGTTCTGTAAGGCTCTGGAGATTGCAGACTTCAGTGGGAACCCCT
GTCTAGACTTCCGGATGGCTTACACAGCTACGCAGCCTGGCTCACCTGGCCCTGAATGACGTGTCCCTG
CAGGCACTGCCTGGAGATGTGGCAACCTGGCCAACTCTGGTGACCCTGGAACCTCCGGGAGAACCTGCTTA
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AGTGCTGCCTGACACCCTGGGGCTCTGCCTAACCTTCGGGAGCTATGGTTAGACCGAAACCAACTGTCA
GCCTGCCCCCGAGCTAGGCAATCTGCGGCGGCTGGTGTGCCTGGATGTGTGAGAGAACAGGCTGGAGG
AGCTGCCTGTGGAGTTGGGTGGGCTGGCACTGCTCACGGATCTGCTGCTTCCCAGAACTTGCTTACGG
GCTGCCAGAGGGCATCGGTGAGCTGAAGCAGCTGTCTATCCTGAAGGTGGACCAGAACCGGCTGTGTGAG
GTCAGTGAAGGCAATAGGGGACTGTGAGAACCTCTCGGAGCTGATCCTCACGGAGAACCTGTTAACGGCT
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CTGCCAAGTCTCGAAGACGCTGGACAGCAGAGCAGTCCCTCAGAGAGCTGTAGTGTGCCCTCTGAGCC
GTGTGAGTGTATCCAGTTCGAGGACACCTGGAAGGTGAAGAGGATGCTGAGGAAGCTGCGGCCGAGAA
GCGGGGCTACAGCGTAGGGCCACACCTCATCCCAGTGAAGTGAAGAGGGGATTGAAGAG
CGCCGGAATGAGGCTTCTGCTGCAAGCCTGACCCAGCCACCTCGCCTTTCAGAGGAGGAGAAGAGGC
TGAGTGCAGAGTCTGCCTGAGTGGAGGCTCTGTCCCGTCAAGCAGCAGCCTCGGAAGGTGAGCCTGA
GATCCTGCCGGCTGAGGTACAAGGGCTAGGCCAGCATGAGGCCATGCCTGCACAGGAGGAGTATACAGAA
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TCGAGTGTCTGAAGAGGGCCCTGCAGCCGCTGCTGGAGTCCGAGTTGGTGACAACTTCTTGAGGTGAAT
GGTGTAGCCTTGACAGGACGACAGCACACGAGGCGTGGAAAGCACTTCGGGGGGCAGGTGCTGTGTG
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AGATGACTATAGTCCCGAGAGTGGCGGGAGGTGGCCTGCGCCTTCCCCTGCTCCAGCCTGAGACTCCT
GTATCCCTCCGTGAGCTCATGTGCCTGTCTCGTGGCAGTAAAAGGGGCTGGGCTTACGACTTGTG
GTGAAAGGGCTCCACACCTTACCGGGTGGTGTGGGGCATCTTTATATCCCGCATTGCAGAGGGAGG
GGCTGCTACCGGGCAGGCACTTACAGGTTGGCAGCATCTGCGACCACCGGAGGGAAGACGACTGAGG
CTCCCTGTTCCCCTGGCAGTCAACAACCACCTCCCCTGATGAAGTCCAGCCAATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211217 representing BC060689
 Red=Cloning site Green=Tags(s)

MLKCIPLWRCNRHVESVDKRHCSSLQVVP E E I Y R Y S R S L E E L L L D A N Q L R E L P K P F F R L L N L R K L G L S D N E
 I Q R L P P E V A N F M Q L V E L D V S R N D I P E I P E S I K F C K A L E I A D F S G N P L S R L P D G F T Q L R S L A H L A L N D V S L
 Q A L P G D V G N L A N L V T L E L R E N L L K S L P A S L S F L V K L E Q L D L G G N D L E V L P D T L G A L P N L R E L W L D R N Q L S
 A L P P E L G N L R R L V C L D V S E N R L E E L P V E L G G L A L L T D L L L S Q N L L Q R L P E G I G Q L K Q L S I L K V D Q N R L C E
 V T E A I G D C E N L S E L I L T E N L L T A L P H S L G K L T K L T N L N V D R N H L E V L P P E I G G C V A L S V L S L R D N R L A V L
 P P E L A H T A E L H V L D V A G N R L R S L P F A L T H L N L K A L W L A E N Q A Q P M L R F Q T E D D A Q T G E K V L T C Y L L P Q Q P
 L P S L E D A G Q Q S S P S E S C S D A P L S R V S V I Q F E D T L E G E E D A E E A A A E K R G L Q R R A T P H P S E L K V M K R G I E E
 R R N E A F V C K P D P S P P S P S E E E K R L S A E S A L S G G S V P S A S T A S E G E P E I L P A E V Q G L G Q H E A M P A Q E E Y T E
 D D Y N E P T V H F A E D T L I P R E D G E S E E G Q P E A A W P L P S G R Q R L I R K D T P H Y K K H F K I S K L P Q P E A V A L L Q G
 V Q T D R E G P T A G W H N G P H T P W A P R A H E E E E E E E N R D E E E G A T T E E D D K E E A V A S A P S V K G V S F D Q A N N
 L L I E P A R I E E E E L T L T I V R Q T G G L G I S I A G G K G S T P Y K G D D E G I F I S R V S E E G P A A R A G V R V G D K L L E V N
 G V A L Q D A E H H E A V E A L R G A G A A V Q M R V W R E R M V E P E N A V T I T P L R P E D D Y S P R E W R G G L R L P L L Q P E T P
 V S L R Q R H A A C L V R S E K G L G F S I A G G K G S T P Y R A G D G G I F I S R I A E G G A A H R A G T L Q V G D H L R P P E G R R L R
 L P V P L A V S N H P P L M N C Q P M

TRTRPLE - GFP Tag - V

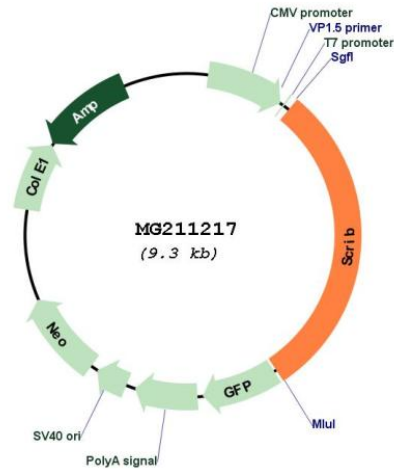
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC060689

ORF Size: 2789 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: [BC060689](#), [AAH60689](#)

RefSeq Size: 4321 bp

RefSeq ORF: 2789 bp

Locus ID: 105782

Cytogenetics: 15 35.29 cM

Gene Summary:

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]