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Product datasheet for MR212052

Scrib (BC062888) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scrib (BC062888) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Scrib
Synonyms:	Scrb1, mKIAA0147, CRIB, SCRIB1, vartul
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR212052 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTGAAGTGCATCCCGCTCTGGCGTTGTAACCGGCACGTGGAGTCGGTGGATAAGCGGCACTGCTCGC
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CGCCGGAATGAGGCCTTCGTCTGCAAGCCTGACCCCAGCCCACCCTCGCCTTCAGAGGAGGAGAAGAGGC
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Protein Sequence:

>MR212052 protein sequence
Red=Cloning site Green=Tags(s)

MLKCIPLWRCNRHVESVDKRHCSLQVVPEEIYRYSRSLEELLLDANQLRELPKPFFRLLNLRKLGLSDNE
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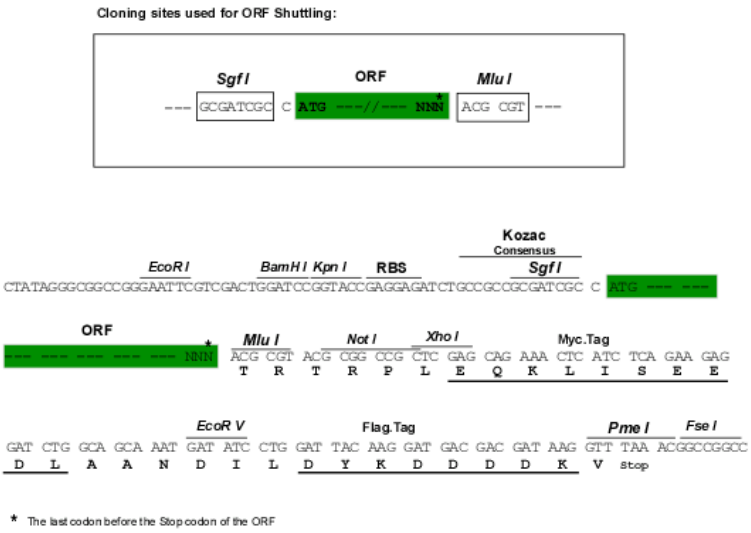
Restriction Sites: SgfI-MluI

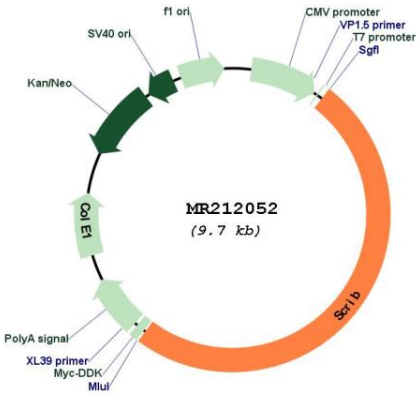
Cloning Scheme:



ACCN: BC062888

ORF Size:	4836 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:	BC062888, AAH62888
RefSeq Size:	5424 bp
RefSeq ORF:	4838 bp
Locus ID:	105782
Cytogenetics:	15 35.29 cM
MW:	174.1 kDa
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]

Product images:



Circular map for MR212052