

## Product datasheet for **MG225502**

### Scube1 (NM\_022723) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Scube1 (NM_022723) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Scube1
Synonyms:	7330410C13Rik; A630023E24Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG225502 representing NM\_022723  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGCGCGGCCGCGCTGCGCTGGCACTTGTACTACTGCTCGCTCTGGGAGCGCGGCCGGCTGGTGG  
 GGGCAGCGGGCTGCCAGGAGCCGTGGACGTGGATGAATGCTCAGAGGGCACAGACGACTGCCACATAGA  
 TGCCATCTGCCAGAACACACCCAAGTCTTACAAATGTCTCTGCAAGCCCGCTATAAGGGGGAAGGAAGG  
 CAGTGTGAAGACATTGACGAGTGTGAGAATGACTACTACAACGGGGGCTGTGTCCATGACTGCATCAACA  
 TCCCTGGGAACTACAGGTGCACCTGCTTTGATGGCTTCATGCTGGCCATGATGGACACAACCTGCCTGGA  
 TGTAGATGAGTGTCAAGACAACAACGGCGGCTGCCAGCAGATCTGCGTCAATGCCATGGGCGACTATGAA  
 TGCCAGTGCCACAGCGGCTTTTTCTCAGTGACAACCAACACACCTGCATACACCGCTCCAATGAGGGTA  
 TGAAGTGCATGAACAAAGACCATGGCTGTGCCACATCTGCCGGAGACGCCAAAGGTGGGGTAGCCTG  
 TGACTGCAGGCCCGGCTTTGACCTTGCCAAAACCCAGAAGGACTGCACACTAACCTGTAACATATGGAAC  
 GGAGGCTGTGAGCAGCTGCGAGGACACGGACACGGGCCCATGTGTGGCTGCCACCAGAAGTACGCCCT  
 TACATGCAGATGGTGGGACGTGCATCGAGACATGTGCAGTGAACAACGGAGGCTGTGACCGGACGTGTA  
 GGACACTGCCACTGGCGTGCAGTGCAGCTGCCCGTTGGATTACGCTGCAGCCAGATGGAAGACATGC  
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 GGCTACACACTTACGGGACAACCCACTGCGGAGACGTGGATGAATGTAGCATGAACAACGGCAGCTGTG  
 AGCAGGGCTGTGTCAACCAAGGGCAGCTACGAGTGTGTGTGCCACCAGGGAGGAGGCTGCACATGGAA  
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 AAGATCAGAGATGCCAAGTGCATCTCCAGCCCCGACCCAGGAGCGAGCCAAGGATACCCTGAGGCATC  
 CCCTTTTAGACAACCTGCCACGTGACTTTTGTGACCCTCAAGTGTGACTCCTCCAAGAAGAGGCGCCGAGG  
 CCGCAAGTCCCCATCCAAGGAGGTGCCACATCACAGCAGAGTTTGGGTGGAGATGAAGTGGATGAG  
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 GTACCGTGTGCTCCTGGCACCTACTTCAAGTGGTGACCCAGGCCAGTGTATGCCATGCGTGTGCGGAACCT  
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 CCGAAACGTATCCGAATGTGGAGGCCAGTGTCTCCAGGCTACTTCTCAGCGGATGGGTTCAAGCCTTGC  
 CAGGCTGCCCTGTGGGCACATACCAGCCCGAGCCTGGGCGAACCAGGCTGCTTCCCTGTGGAGGCGGGC  
 TGCTCACCAAACACAGGGTACCGCCTTTCCAGGACTGCGAGGCCAAAGTGCATTGCTCTCCCGGACA  
 CCACTACAATAACACCACCCACCGGTGTATCCGCTGTCCCGTGGGCACCTATCAGCCCGAGTTTGGCCAG  
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 AGAACCAGCACTGCGGGCGGCAACTTGGTACTACACAGGCTACATCGAGTCCCCCAACTACCCTGGCGA  
 CTACCCAGCCAATGCAGAGTGTGTGGGCACATCGCACCTCCCCAAAGCGCAGGATCCTAATCGTAGTC  
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 CGTCAGTACCACCTATGAGACGTGCCAGACCTATGAGCGGCCATCGCCTTTACCTCCCGTTCCCGCAA  
 ACTCTGGATCCAGTTCAAATCCAACGAAGCCAACAGTGGCAAAGGGTTTCAAGTGCCTATGTCACCTAT  
 GATGAGGACTACCAGCAGCTAATAGAAGACATCGTGCATGATGGGCGCTTATATGCCTCGGAGAACCATC  
 AGGAGATTTTGAAGACAAGAAGCTGATCAAGGCCCTTTTACGCTGCTGGCACCCACAAAACCTACTT  
 CAAATACACAGCCAGGAGTCCAAGGAGATGTTCCCCCGTCTTATCAAACCTCTGCGTTCAAAGTGT  
 TCTCGGTTCTGCGGCCCTACAAA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG225502 representing NM\_022723  
 Red=Cloning site Green=Tags(s)

MGAAAVRWHLYLLLALGARGRLVGGSGLPGAVDVDECSEGTDDCHIDAICQNTPKSYKCLCKPGYKGEGR  
 QCEDIDECENDYNGGCVHDCINIPGNRYCTCFDGFMLAHDGHNCLDVDECQDNNGGCQQICVNAMGSYE  
 CQCHSGFFLSDNQHTCIHRSEGMNMCNKDHGCAHICRETPKGGVACDCRPGFDLAQNQKDCTLTCNYGN  
 GGCQHSCEdTDTGPMCGCHQKYALHADGRTCIETCAVNNGGCDRTCKDTATGVRCSCPVGFTLQPDGKTC  
 KDINECLMNNGGCDHFCRNTVGSFECGQKGHKLLTDERTCQDIDECSFERTCDHICINSPGSFQCLCRR  
 GYTLYGTHCGDVDECSMNGSCEQGCVNTKGSYECVCPGRRLHWNQKDCVEMNGCLSRSKASAQAQLS  
 CGKVGGVENCFLSCLGHSLFMPDSESSYLSCGVPGLQGKTLPKRNGTSSSTGPGCSDAPTTPIRQKARF  
 KIRDAKCHLQPRSQERAKDTRLRPLLDNCHVTFTLKCDSKRRRRGRKSPSKEVSHITAEFEVEMKVDE  
 ASGTCEADCMRKRAEQSLQAAIKILRKSIGRNQFYVQVLGTEYEVAQRPAAKALEGTGCGIGQILQDGKC  
 VPCAPGTYFSGDPGQCMPCVSGTYQDMEGQLSCTPCPSSEGLGLAGARNVSECGGQCSPGYFSADGFKPC  
 QACPVGTYQPEPGRGTGCFPCGGLLTKHTGTASFQDCEAKVHCSPGHHYNTTTHRCIRCPVGTYQPEFGQ  
 NHICISCPGNTSTDFDGSTNVTHCKNQHC GGELGDYTG YIESPNYPGDYPANAECVWHIAPPPKRRILIVV  
 PEIFLPIEDECGDVLV MRKSASPTSVTTYETCQTYERPIAFTSRSRKLLWIQFKSNEANSKGFQVPYVTY  
 DEDYQQLIEDIVRDGRLYASENHQEILKDKKLIKALFDVLAHPQNYFKYTAQESKEMFPRSFIKLLRSKY  
 SRFLRPYK

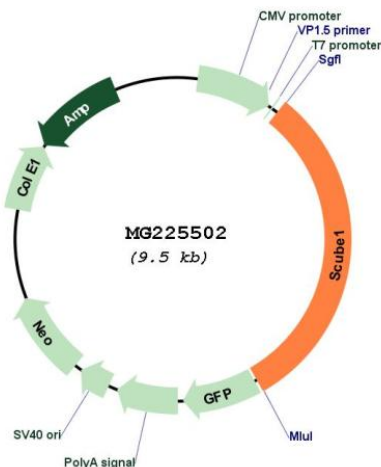
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



**Plasmid Map:**


**ACCN:** NM\_022723

**ORF Size:** 2964 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\\_022723.3](#), [NP\\_073560.2](#)

**RefSeq Size:** 7824 bp

**RefSeq ORF:** 2967 bp

**Locus ID:** 64706

**UniProt ID:** [Q6NZL8](#)

**Cytogenetics:** 15 E1

**Gene Summary:**

Could function as an adhesive molecule and its matrix bound and soluble fragments may play a critical role in vascular biology.[UniProtKB/Swiss-Prot Function]