

## Product datasheet for MR225502

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

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Scube1 (NM\_022723) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Scube1  
**Synonyms:** 7330410C13Rik; A630023E24Rik  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR225502 representing NM\_022723  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGGCGCGGGCCGTCGCTGGCACTTGTACCTACTGCTCGCTCTGGGAGCGCGGGCGGCTGGTGG  
 GGGGCAGCGGGCTGCCAGGAGCCGTGGACGTGGATGAATGCTCAGAGGGCACAGACGACTGCCACATAGA  
 TGCCATCTGCCAGAACACACCCAAGTCTTACAAATGTCTCTGCAAGCCCGGCTAAGGGGAAGGAAGG  
 CAGTGTGAAGACATTGACGAGTGTGAGAATGACTACTACAACGGGGCTGTGTCCATGACTGCATCAACA  
 TCCCTGGGAACACAGGTGCACCTGCTTTGATGGCTTCATGCTGGCCATGATGGACACAACCTGCCTGGA  
 TGTAGATGAGTGTCAAGACAACAACGGCGCTGCCAGCAGATCTGCGTCAATGCCATGGGCAGCTATGAA  
 TGCCAGTGCCACAGCGGCTTTTTCTCAGTGACAACCAACACACCTGCATACACCCTCCAATGAGGGTA  
 TGAAGTGCATGAACAAAGACCATGGCTGTGCCACATCTGCCGGGAGACGCCAAAGGTGGGGTAGCCTG  
 TGACTGCAGGCCCGGCTTTGACCTTGCCAAAACAGAAAGGACTGCACACTAACCTGTAACATATGAAAC  
 GGAGGCTGTGACGACAGCTGCGAGGACACGGACACGGGCCCATGTGTGGCTGCCACCAGAAGTACGCCT  
 TACATGCAGATGGTCCGACGTGCATCGAGACATGTGCAGTGAACAACGGAGGCTGTGACCCGACGTGTA  
 GGACACTGCCACTGGCGTGGGTGCAGCTGCCCGGTTGGATTACGCTGCAGCCAGATGGAAGACATGC  
 AAAGACATCAACGAGTCTTGATGAATAACGGAGGCTGCGACACTTCTGCCGAAACCCGTGGGCAGCT  
 TTGAATGCGGCTGCCAAAAGGGCCACAAGCTACTGACGGACGAGCGGACATGCCAAGACATTGACGAGTG  
 TTCTTTGAGCGGACCTGTGACCACATCTGCATCAACTCCCCCGCAGTTTCCAGTGCCTGTGCCCGCA  
 GGCTACACACTCTACGGACAACCCACTGCGGAGACGTGGATGAATGTAGCATGAACAACGGCAGCTGTG  
 AGCAGGGCTGTGTCAACACCAAGGGCAGCTACGAGTGTGTGTGCCACCAGGGAGGAGGCTGCACCTGGAA  
 TCAGAAGGACTGTGTGGAGATGAACGGGTGCTGTCTCGGTCCAAGGCCTCTGCCAGGCCAGCTGTCC  
 TGTGGCAAGGTGGGTGGAGTGGAAAACGCTTCTGTCTGCTGCTGGCCACAGTCTTTCATGCCAGATT  
 CAGAAAGCAGCTACATCCTGAGCTGTGGTGTCCAGGTCTCCAGGGCAAGACACTGCCAAAACGCAATGG  
 CACTAGCTCCAGTACAGGCCCCGGCTGCTCAGATGCCCCACCACCCTATCAGACAGAAGGCCCGCTTC



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AAGATCAGAGATGCCAAGTGCCATCTCCAGCCCCGAGCCAGGAGCGAGCCAAGGATACCCTGAGGCATC  
 CCCTTTTAGACAACCTGCCACGTGACTTTTGTGACCCTCAAGTGTGACTCCTCCAAGAAGAGGCGCCGAGG  
 CCGCAAGTCCCCATCCAAGGAGGTGTCCACATCACAGCAGAGTTTGGAGTGGAGATGAAGTGGATGAG  
 GCCTCAGGCACCTGCGAAGCAGACTGCATGCGGAAGCGTGCCGAGCAGAGCCTGCAAGCCGCATCAAGA  
 TTCTGCGCAAGTCCATTGGTCGGAACGATTCTATGTCCAGGTCTTGGGCACTGAGTACGAGGTGGCCCA  
 GCGGCCAGCCAAAGCACTGGAGGGAACCGGGACTTGGGCATAGGCCAAATACTACAGGACGGCAAGTGT  
 GTACCGTGTGCTCCTGGCACCTACTTCAGTGGTGACCCAGGCCAGTGTATGCCATGCGTGTGGGAACT  
 ACCAGGACATGGAAGGCCAGCTCAGCTGCACGCCATGCCCCAGCAGCGAAGGACTGGGTCTGGCTGGTGC  
 CCGAAACGTATCCGAATGTGGAGGCCAGTGCTCTCCAGGCTACTTCTCAGCGGATGGGTTCAAGCCTTGC  
 CAGGCCTGCCCTGTGGGCACATACCAGCCCAGCCTGGGCGAACCAGGCTGCTTCCCTGTGGAGGCGGGC  
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 CCACTACAATACCACCACCACCGGTGTATCCGCTGTCCCGTGGGCACCTATCAGCCGAGTTTGGCCAG  
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 AGAACAGCACTGCGGCGCGAAGTGGTACTACACAGGCTACATCGAGTCCCCAACTACCCTGGCGA  
 CTACCCAGCCAATGCAGAGTGTGTGGCACATCGCACCTCCCCAAAGCGCAGGATCCTAATCGTAGTC  
 CCGGAGATCTTCTACCCATCGAGGACGAGTGTGGTGTATGCTGGTTCATGAGAAAGAGTGCCTCGCCCA  
 CGTCAGTCACCACCTATGAGACGTGCCAGACCTATGAGCGGCCATCGCCTTTACCTCCCGTTCCCGCAA  
 ACTCTGGATCCAGTTCAAATCCAACGAAGCCAACAGTGGCAAAGGGTTTCAAGTGCCTATGTCACCTAT  
 GATGAGGACTACCAGCAGCTAATAGAAGACATCGTGCCTGATGGGCGCTTATATGCCTCGGAGAACCATC  
 AGGAGATTTTGAAGACAAGAAGCTGATCAAGGCCCTCTTGGACGTGCTGGCACCCACAAAATACTT  
 CAAATACACAGCCAGGAGTCCAAGGAGATGTTCCCCGGTCTTATCAAATCTCTGCGTTCAAAAGTG  
 TCTCGGTTCTGCGGCCCTACAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR225502 representing NM\_022723  
 Red=Cloning site Green=Tags(s)

MGAAAVRWHLYLLLALGARGRLVGGSLPGAVDVECESEGTDDCHIDAICQNTPKSYKLCCKPGYKGEGR  
 QCEDIDECENDYYNGGCVHDCINIPGNRYRCTCFDGFMLAHDGHNCLDVDECQDNNGGCQQICVNAMGSYE  
 CQCHSGFFLSDNQHTCIHRSNEGMMNKMNDHGCAHICRETPKGGVACDCRPGFDLAQNQKDCTLTNYGN  
 GGCQHSCEDDTGTGPMCGCHQKYALHADGRTCIETCAVNNGGCDRTCKDTATGVRCSPPVGFLLQPDGKTC  
 KDINECLMNNGGCDHFCRNTVGSFECGQKQGHKLLTDERTCQDIDECSFERTCDHICINSPGSFQCLCRR  
 GYTLYGTTHCGDVDECSMNNGSCEQGCVNTKGSYECVCPGRRLHWNQKDCVEMNGCLSRKASQAQLS  
 CGKVGGVENCFLSCLGHSLFMPDSESSYILSCGVPGLQKTLPKRNGTSSSTGPGCSDAPTTPIRQKARF  
 KIRDAKCHLQPRSQERAKDTRLHPLLDNCHVTFVTLKCDSSKRRRRGRKSPSKEVSHITAEFEVEMKVDE  
 ASGTCEADCMRKRAEQSLQAAIKILRKSIGRNQFYVQVLGTEYEVAQRPAKALEGTGTCGIGQILQDGKC  
 VPCAPGTYFSGDPGQCMPCVSGTYQDMEQQLSCTPCPSSEGLLAGARNVSECGGQCSPGYF SADGFKPC  
 QACPVGTYQPEPGRGTGCFPCGGLLTKHTGTASFQDCEAKVHCSPGHYNTTTHRCIRCPVGTYPQPEFGQ  
 NHCISCPGNTSTDFDGSTNVTHCKNQHCGGELGDYTYIESPNYPGDYANAECVWHIAPPKRRLIVV  
 PEIFLPIEDECGDVLVMRKSASPTSVTYETCQTYERPIAFTSRSRKLWIQFKSNEANSKGFQVPYVY  
 DEDYQQLIEDIVRDGRLYASENHQEILKDKKLIKALFDVLAHPQNYFKYTAQESKEMFPRSFIKLLRSKV  
 SRFLRPYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-Mlul

**Cloning Scheme:**


**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).

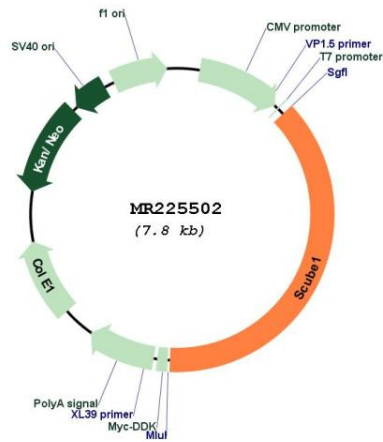
- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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:	<u>Q6NZL8</u>
Cytogenetics:	15 E1
MW:	108.6 kDa
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]

**Product images:**



Circular map for MR225502