

Product datasheet for MR231490

Scube1 (NM_001271472) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scube1 (NM_001271472) 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: >MR231490 representing NM_001271472
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGGATCGCC

ATGGGCGCGGGCCGCTGCGCTGGCACTTGTACCTACTGCTCGCTCTGGGAGCGCGGGCGGCTGGTGG
 GGGGCAGCGGGCTGCCAGGAGCCGTGGACGTGGATGAATGCTCAGAGGGCACAGACGACTGCCACATAGA
 TGCCATCTGCCAGAACACACCCAAGTCTTACAAATGTCTCTGCAAGCCCGGCTATAAGGGGAAGGAAGG
 CAGTGTGAAGACATTGACGAGTGTGAGAATGACTACTACAACGGGGCTGTGTCCATGACTGCATCAACA
 TCCCTGGGAACACAGGTGCACCTGCTTTGATGGCTTCATGCTGGCCATGATGGACACAACCTGCCTGGA
 TGTAGATGAGTGTCAAGACAACAACGGCGCTGCCAGCAGATCTGCGTCAATGCCATGGGAGCTATGAA
 TGCCAGTGCCACAGCGGCTTTTTCTCAGTGACAACCAACACACCTGCATACACCCTCCAATGAGGGTA
 TGAAGTGCATGAACAAAGACCATGGCTGTGCCACATCTGCCGGGAGACGCCAAAGGTGGGGTAGCCTG
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 GGAGGCTGTGACGACAGCTGCGAGGACACGGACACGGGCCCATGTGTGGCTGCCACCAGAAGTACGCCCT
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 CTGCCAGGCCAGCTGTCTGTGGCAAGGTGGGTGGAGTGGAAAACGCTTCTGTCTGCTGCTGGGCCA
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ACACTGCCAAAACGCAATGGCACTAGCTCCAGTACAGGGCCCGGCTGCTCAGATGCCCCACCACCCTA
 TCAGACAGAAGGCCCGCTTCAAGATCAGAGATGCCAAGTGCCATCTCCAGCCCGCAGCCAGGAGCGAGC
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 TCCAAGAAGAGGGCGCCGAGGCGCAAGTCCCCATCCAAGGAGGTGCCACATCACAGCAGAGTTTGAGG
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 AAGTGCCTATGTACCTATGATGAGGACTACCAGCAGCTAATAGAAGACATCGTGCATGATGGGCGCTT
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR231490 representing NM_001271472
 Red=Cloning site Green=Tags(s)

MGAAAVRWHLYLALLALGARGRLVGGSLPGAVDVEDECSEGTDDCHIDAICQNTPKSYKCLCKPGYKGEGR
 QCEDIDECENDYYNGGCVHDCINIPGNRYRCTCFDGFMLAHDGHNCLDVDECQDNNGGCQQICVNAMGSYE
 CQCHSGFFLSDNQHTCIHRSNEGMMNCMKDHGCAHICRETPKGGVACDCRPGFDLAQNQKDCTLTNYGN
 GGCQHSCEDDTGPMPGCHQKYLHADGRTCIEKDEAAIERSQFNATSVADVDRKVRRLMETCAVNNG
 GCDRTCKDATGVRCSPPVGFLLQPDGKTKDINECLMNNGGCDHFCRNTVGSFECGQKGHKLLTDERT
 CQDIDECSEFERTCDHICINSPGSFQCLCRRGYTYGTTTCGDVDECSMNGSCEQGCQVNTKGSYECVCP
 GRRLHWNQKDCVEMNGCLSRKASQAQLSCGKVGGVENCFLSCLGHSLFMPDSESSYILSCGVPGLQK
 TLPKRNGTSSSTGPGCSDAPTTPIRQKARFKIRDAKCHLQPRSQERAKDTLRHPLLDNCHVTFVTLKCD
 SKRRRRGRKSPSKEVSHITAEEFVEMKVEASGTCEADCMRKRAEQLQAIAIKILRKSIGRNQFYVQVLG
 TEYEVAQRPKALEGTGTCGIGQILQDGKVCPCAPGTYFSGDPGQCMPCVSGTYQDMEGQLSCTPCPSSE
 GLGLAGARNVSECGGQCSPGYFSADGFKPCQACPVGTYPPEPGRGTGCFPCGGLLTKHTGTASFQDCEAK
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 SPNYPGDYPANAECVWHIAPPPKRRILIVVPEIFLPIEDECGDVLVMRKSASPTSVTTYETCQTYERPIA
 FTSRSRKLWIQFKSNEANSKGQVQVYTYDEDYQLIEDIVRDGRLYASENHQEILKDKKLIKALFDVL
 AHPQNYFKYTAQESKEMFPRSFIKLLRSKVSRLRPYK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001271472

ORF Size: 3054 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.

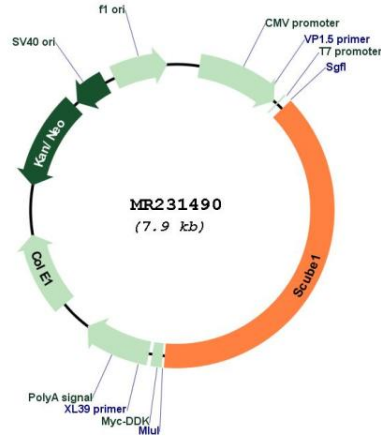
RefSeq: [NM_001271472.1](#), [NP_001258401.1](#)

RefSeq Size: 7932 bp

RefSeq ORF: 3057 bp

Locus ID: 64706
 UniProt ID: [Q6NZL8](#)
 Cytogenetics: 15 E1
 MW: 112.1 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 MR231490