

Product datasheet for MR225155

Scube3 (NM_001004366) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Scube3 (NM_001004366) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Scube3
Synonyms: CEGF3; D030038I21Rik
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR225155 representing NM_001004366
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGCTCGGGCGCGTCCCCGGGCTCTGCCTGCTCCTCCTGCTGGTCCACGCGCGCCGCCAGCATG
 GCAAAGCTGCGCAAGATGTAGATGAGTGTGTGGAAGGCACGGACAATTGCCACATCGATGCCATCTGCCA
 GAATACCCACGGTCTTACAAGTGCATCTGCAAGTCCGGTACACGGGGACGGGAAGCACTGCAAAGAC
 GTGGATGAGTGTGAACGGGAGGACAACGCAGGCTGTGTGCACGACTGTGTCAACATCCCTGGTAATTACC
 GGTGTACCTGCTACGACGATTTACCTGGCACATGACGGACACAACCTGTCTGGATGTGGATGAGTGTGC
 AGAGGGCAACGGTGGCTGCCAGCAGAGCTGTGTCAACATGATGGGCAGCTACGAGTGCCATTGCAGAGAT
 GGCTTCTTCTCAGTGACAACCAGCACCTGTATCCAGCGGCCAGAAGAAGGAATGAACTGCATGAACA
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 CTTTCGAGCTACCAAGAACCAACGGGACTGTAATGACCTGCAACTATGGTAATGGCGGCTGCCAGCAC
 ACCTGCGATGACACGGAGCAGGGTCTCGGTGCGGCTGCCACGTCAAGTTTGTGCTCCACACCGACGGGA
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 TGCCCGTTAAACAACGGGGCTGTGACCACATCTGCCGCAACACAGTGGGCAGCTTCGAGTGCAGCTGCA
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 CTGTGACCACATGTGTGTCAACACCCCGGGGAGCTTCCAGTGTCTCTGTGATCGTGGCTACCTTCTATAT
 GGTGTCACTACTGCGGGGATGTGGACGAATGTAGCATCAATAAGGGAGGCTGCCGCTTTGGCTGCATCA
 ACACCCAGGCAGCTATCAGTGTACCTGCCAGCAGGCCAGGGCCGCTTCACTGGAACGGGAAGGATTG
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 CCGTGAGCTGTGGTACCCGAGCCCTAAAGCTGCTCCAGCCGAGTGATCCACTCTGGGAACAGCACCGT
 CTCAGCTCCTGCCATGAGGCTGCAGTGTGCCAGTCAAGCAGAGAGCCTCCTTCAAGATCAAGGATGCC



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AAATGTCGCTGCATCTGCGAAACAAAGGCAAAGCCGAGGAGGCCAGCAGGATCCTGGGGCCAGGTAGT
 TCCCTGCTCTGACTGCCTGGTCACTTTTCATCCACCTTAAGTGTGACTCTTCTCGGAAGGGCAAGGGCAG
 GCGGGCCCGGACCCCGGCAAGGAGGTTACCCGGCTCACCTGGAATTGGAAGCTGAGGTGAGAGCA
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 AGCCACAAGCCAGGCTGGGAGCTGGGACCGAGCAGAGCTGGTGGAGGTCTGCCGACCTGGGCAGCAC
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 ATTCCTATGTGACCTACGATGAGGACTATGAGCAGTGGTGAAGACATAGTGCCTGATGGCCGCTGT
 ATGCTCAGAAAACACCAGGAGATCCTAAAGGACAAGAAGCTTATCAAGGCCTTCTTTGAGTCTGGC
 CCACCTCAAACTACTTCAAGTACACAGAGAAACACAAGGAGATGCTGCCAAAATCCTTCATCAAGCTA
 CTGCGCTCAAAGTCTCCAGCTTCTGAGGCCTTACAAA

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR225155 representing NM_001004366
 Red=Cloning site Green=Tags(s)

MGSGRVPGLCLLLLLVHARAAQHGAQAQDVDECEVEGTDNCHIDAICQNTPRSYKICKSGYTGDKHCKD
 VDECEREDNAGCVHDCVNIIPGNRYRCTCYDGFHLAHDGHNCLDVDECAEGNGGCQCSVNMMSYECRDR
 GFFLSDNQHTCIQRPEEGMNCMNKNHGCAHICRETPKGGIACECRPGFELTKNQDRCKLTCNYNGGCQH
 TCDDTEQGPRCGCHVKFVLHTDGKTCIETCAVNNGGCDSKCHDAATGVHCSCPVGFMQLQPDRKTKDIDE
 CRLNNGGCDHICRNTVGSFECCKKGYKLLINERSCQDIDECDFDRTCDHMCVNTPGSFQCLCHRGYLLY
 GVTHCGDVDECSINKGGCRFGCINTPGSYQCTCPAGQGRHLHWNGKDCTEPVKCQSSLGASKAMLSCNRSG
 KKDTCALTCP SRARFLPESENGFTVSCGTPSPKAAPARVIHSGNSTVSSSCHEAAVLPVKQRASFKIKDA
 KCRLHLRNKGKAEASRILGPGSVPCSDCLVTFIHLKCDSSRKGKRRARTPPGKEVTRLTLELEAEVRA
 EETTAGCGLPCLRQRMERRLKGSLKMLRKSINQDRFLLRLAGLDYELAHKPGLGAGDRAELVEVCRPGQH
 RAGTKCVSCPQGTYYHGQTEQCPCPAGTFQEREGQLSCDLCPGSDAHGPLGATNVTTCAQCQPPGHHS
 DGFKPCQPCPRGTYQPEAGRTLFCPCGGGLTTKHEGAVSFQDCDTKVQCSPGHYNTSIIHRCIRCAVGSY
 QPDRQNFCTRCPGNTSTDFDGSTSVAQCCKNRQCGGELGEFTGYIESPNYPGNYPAGVECVWNINPPPKR
 KILIVVPEIFLSEDECGDVLVMRKNSSPSSITTYETCQTYERPIAFTARSRKLWINFKTSEANSARGFQ
 IPYVTYDEDEYQLVEDIVRDGRLYASENHQEIHKDKKLIKAF FEVL AHPQNYFKYTEKHKEMLPKSF IKL
 LRSKVSSFLRPYK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9007_g10.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001004366

ORF Size: 2979 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.

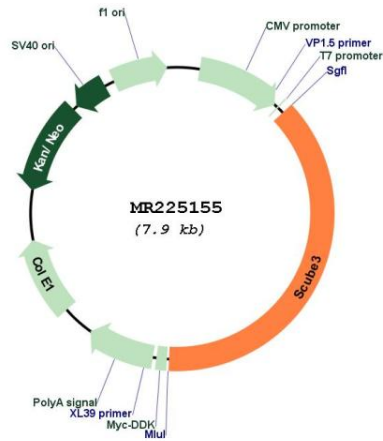
RefSeq: [NM_001004366.2](#)

RefSeq Size: 2982 bp

RefSeq ORF: 2982 bp

Locus ID: 268935
 UniProt ID: [Q66PY1](#)
 Cytogenetics: 17 A3.3
 MW: 109.4 kDa
 Gene Summary: Binds to TGFBR2 and activates TGFB signaling.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR225155