

Product datasheet for **RR202067**

Tusc3 (NM_001004212) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tusc3 (NM_001004212) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Tusc3
Synonyms: MGC94243
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202067 representing NM_001004212
Red=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTGCCAGGGCCGCTCCTTCAGCCGGAGACAGGCGGGCCGAGGTTGCGCTACCTGTCTACTGGTA
GCTTTCCCTTCTCTCTTGTGCTGCTCTGCATCCAGCTCGGGGGCGGACAGAAGAAAAGGAGAA
CCTTTTGGCTGAAAAGGTGGAGCAGCTGATGGAATGGAGTTCAGGCGCTCGATCTCCGAATGAATGGT
GACAAGTCCGAAAGTTTGTAAAAGCCCAACCGGGAACACTCCATGATCGTCATGTTCACTGCTCTGC
AGCCTCAGAGGCAGTGTCTGTGTGCAGGCAGGCTAACGAAGAATATCAAATCCTGGCTAATTCCTGGCG
TTATTCATCTGCTTTTGAACAAACTGTTTTTGGAAATGGTGGACTATGATGAAGGGACAGATGTTTTT
CAGCAGCTCAACATGAACTCTGCTCCCACATTCATGCATTTTCTTCAAAGGCAGACCAAGAGAGCTG
ATACCTTTGACCTTCAACGAATTGGATTTGCAGCTGAACAGCTAGCAAAATGGATTGCCGACAGGACGGA
TGTTTCATATTCGAGTTTTCCGGCCACCAACTACTCAGGCACCATGCTTTGGCCCTCTTAGTGTGCTG
GTTGGTGGCTTGCTTTATTTAAGGAGGAACAACCTGGAGTTCATCTATAACAAGACTGGTTGGCCATGG
TATCTCTGTGTATAGCTTTTGTATGACGTCTGGCCAGATGTTGGAACCATATCCGTGGACCTCCATATGC
TCATAAGAACCACACAATGGACAAGTGAGCTACATTCATGGCAGCAGCCAGGCGCAGTTTGTGGCAGAG
TCTCACATCATTCTAGTACTGAATGCTGCAATCACCATGGGGATGGTTCTTCTAAATGAAGCAGCAACT
CCAAAGGGGATGTGGGAAAAGACGGATCATTTGCCTCGTGGGATTGGGCCTGGTGGTCTTCTTCTTCAG
TTTTCTACTTTCAATATTTCTGTTCAAAGTACCATGGCTATCCATATAGCTTTTTAATTA

ACGGTACGGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202067 representing NM_001004212
Red=Cloning site Green=Tags(s)

MSARAAPSRRRQAGRRLRYLSTGSFPFLLLLLLCCIQLGGGQKKKENLLAEKVEQLMEWSSRRSIFRMNG
 DKFRKFKVAPPNYSMIVMFTALQPQRQCSVCRQANEYQILANSWRYSSAFCKNLFFGMVDYDEGTDVF
 QQLNMNSAPTFFMHFPSKGRPKRADTFDLQRIGFAAEQLAKWIADRTDVHIRVFRPPNYSGTIALALLVSL
 VGLLLYLRRNNLEFIYKNTGWAMVSLCIVFAMTSGQMWNHIRGPPYAHKNPHNGQVSYIHGSSQAQFVAE
 SHIILVNLAAITMGVLLNEAATSKGDVGRRIICLVGLGLVVFVFFSLLSIFRSKYHGYPSFLIK

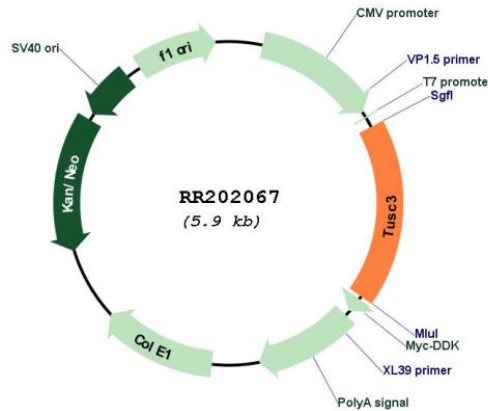
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001004212
ORF Size: 1041 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:	<ol style="list-style-type: none">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_001004212.1 , NP_001004212.1
RefSeq Size:	1514 bp
RefSeq ORF:	1044 bp
Locus ID:	290783
Cytogenetics:	16q12.1
MW:	39.5 kDa