

Product datasheet for **MC219225**

Dok7 (NM_172708) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dok7 (NM_172708) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dok7
Synonyms:	A930013K19Rik; AW049091; Dok-7; EF-12; Oit5
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC219225 representing NM_172708
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCTGGTCTACAAGACAAATGTGAACGCTCCAAGGCCCTTCGGAGCGCAGCAGCCTCACCTGGAGG
 ACATCTGTGGCCTGGAGCCTGCCCTGCCCTATGAGGGCCTGGCCACACTCTGGCCATCATCTGCCTGTC
 TCAGGCTGTTATGCTGGCTTCGATAGCCATGAGGCCATGTGTGCTGGGATACCCGTATCCGCTACGCA
 CTGGGCGAGGTGCACAGTTCCATGTGACAGTAGCTCCTGGTACCAAAGTGGAGAGTGGTCCAGCCACTC
 TTCACCTCTGCAATGACATTCTGGTCTGGCCAGAGACATCCCTCCAACCGTCAATGGGCGAGTGGAAAGCT
 GTCTGACCTCCGGCGTTACGGGGCTGTTCCGAATGGATTCACTTTCGAAGCGGGACCAGGTGTGGGTAC
 TGGGCTGGAGTCTTCTTCTGTCATCAGCTGAGGGAGAGCAGATGAGCTTCTGTTTACTGCATCGTCC
 GAGGCATCTCCCGACCAAAGGCCGTTGGGCTTCGGCCAGTCTCCAGACCCGAGTCTGGGGGACC
 CTCAGCCTCAGAAGAGCGTGTGCCAGGAAGCACTGGAAGCCCTGCAGCTAGAGAAGAGGCTCAGCCTG
 CTTTCTACTCTGGCCGGCCAGGAGTGGAGGGGATGACAGAAGTCTATCCAGTTCTTCTGAGGCTA
 GCCACTCGGACATCAGCGCCAGCAGCAGGCTCACTGCGTGGCCGGAGCAGTCTCATCTCGGCCGGCAC
 ATCACAAGAAGGACCAGGGCTGGTGGCTGCCAGGGCCAGGAGAAGCCATGCTGGGAGCCTCAAGGCCA
 CCCCTCAAGCCACTGCGGCCTCGGCAGTTACAGGAGGTTGGCCGCGAGAGCTCCTCTGACAGTGGCATTG
 CCACAGGCAGCCACTCCTTACTCTGGCAGTCTCCTCTTATGCCGCGAGCAACCTGGACGTGTGGCG
 GGCCGGTGAAGAAATTCGGTCTCTGCTCAGTCTGCCCCCTGGAGCCAGCGCACCTGAGCCAGACTGTGT
 GCCTGCCACCTGGGGCGGCCGAGTACCAGGTGCCACGTCAGTACTGAGACACCCTATGACACACCTCGAA
 GCCTGCCACAGGCCCCAGAGACCAAGCCAGTCTCAGGGCAGCTTGACCAGGTTACAGCCACAGA
 CTTGGGTGGTCAAGCGCCACAGGGTGTCCCTCCAGTTGGCTGGGAGCTCGCCGACGGGGACAGGCAACG
 GAAGGCCAGGCAGTGACGCTGCGCTGCGGAGTCCATCCCTGGCGAGTCTGGGAAGCAGGCAGCCCCC
 ATGCAAGGCCGCTCCAGCTTCTTTTGTGTCATGTTCAATCTGTGGCGGACTCAAGGTATGGTACTTTC
 ATCCCCTGGATCACTGTGACGCATCCAGGATCTCCAGGGCGGGTGGTCTGATAGCCCTGGGCTGAG
 CGACCACAGTGAAGTGCACGATGTGAATATCCCCATCAGCCCCATCTCCAGACCCGAGCTGCACT
 ACATGGACTTGGAGCTCCCGGGGCCAGTGTGGTGTTCGAGGGGCCAGCACCTCCCGCTATGCCAGAT
 TGACATTGAGCTACCGAGACAGCACATCGCTCGGGTCCGGCATGCGCAGACTCGGGAGAACGGTTA
 CCAGAGTTGGAGCAGCGAAGAAGGGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_172708
- Insert Size:** 1713 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_172708.3](#), [NP_766296.1](#)

RefSeq Size: 2483 bp

RefSeq ORF: 1713 bp

Locus ID: 231134

Cytogenetics: 5 B2

Gene Summary: Probable muscle-intrinsic activator of MUSK that plays an essential role in neuromuscular synaptogenesis. Acts in aneural activation of MUSK and subsequent acetylcholine receptor (AchR) clustering in myotubes. Induces autophosphorylation of MUSK.[UniProtKB/Swiss-Prot Function]