

Product datasheet for **MC225177**

Dock6 (NM_177030) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dock6 (NM_177030) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dock6
Synonyms:	2410095B20Rik; 4931431C02Rik; C330023D02Rik; mKIAA1395
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225177 representing NM_177030 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGCCCTCGGAGCGCCGCGCCTTCGCTCACAAGATCAACAGGACTGTGGCTGCTGAGGTCCGGAAGC
AGGTGTCCCGGGAACGCAGCGGCTACCCCACTCCAGCCGTCGCTCCAGTAGTCCCTGGGGTCCCTCT
GACGGAGGTCATGAACCCCTGGACTTCGAAGATGTGCTTCTGAGCCGGCCACCTGAAGTAGAGCCCGGT
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CCACAGAGTCTGGGTGCCAGAGGATGGACAGTTGGATGCCAGGTGAGGGCTGCCGTGGAGATGTACTC
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ACAGCTCAGCTCAAGCTTGACATCTCCCGGCCCGGAGAACCTGCACTTCTGCCTGTCCCCTGACTTAC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja3697_f02.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_177030
Insert Size:	6336 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_177030.3 , NP_796004.2
RefSeq Size:	6577 bp
RefSeq ORF:	6336 bp

Locus ID: 319899

UniProt ID: [Q8VDR9](#)

Cytogenetics: 9 A3

Gene Summary: Acts as guanine nucleotide exchange factor (GEF) for CDC42 and RAC1 small GTPases (By similarity). Through its activation of CDC42 and RAC1, regulates neurite outgrowth in an vitro differentiation system.[UniProtKB/Swiss-Prot Function]