

Product datasheet for **MC225158**

Dock11 (NM_001009947) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dock11 (NM_001009947) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dock11
Synonyms:	5033414A21Rik; 8030476J24; sph238; Zizimin2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC225158 representing NM_001009947 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**C

ATGGCCGAAGTGCGCAAATTCACCAAGCGGCTGAGCAAGCCAGGCAGGCAGCCGAGCTCCGCCAGAGCG
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CACTGTGCAGAACCTACATCAAAAACCTCAGATCCGATAAAGACAGCCCAGAAGGTACACAGGACAGCTA
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 GTGCAATTAGTGTACATCAAGTAACAGAGGTTATGGTTCCCAAGATACGCGGAAGTATGA

ACGGGACCGACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-RsrII
ACCN:	NM_001009947
Insert Size:	6222 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:	<u>NM_001009947.3</u> , <u>NP_001009947.2</u>
RefSeq Size:	6665 bp
RefSeq ORF:	6222 bp
Locus ID:	75974
UniProt ID:	<u>A2AF47</u>

Cytogenetics: X A3.3

Gene Summary: Guanine nucleotide-exchange factor (GEF) that activates CDC42 by exchanging bound GDP for free GTP (PubMed:15710388, PubMed:16968698, PubMed:25851601). Required for marginal zone (MZ) B-cell development, is associated with early bone marrow B-cell development, MZ B-cell formation, MZ B-cell number and marginal metallophilic macrophages morphology (PubMed:25729399). Facilitates filopodia formation through the activation of CDC42 (PubMed:22494997).[UniProtKB/Swiss-Prot Function]