

Product datasheet for MC224955

Dock2 (NM_033374) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dock2 (NM_033374) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dock2
Synonyms:	Al662014; AW122239; CED-5; Hch; MBC
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224955 representing NM_033374 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCCCCCTGGCGCAAACTGACAAGGAGCGTCACGGAGTGGCTATCTACAACCTCCAAGGCAGTGAAG
CCCAGCATCTCAGCTACAGATTGGCGATGTGGTACGAATACAGGAGACCTGTGGAGACTGGTACAGAGG
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GCTCATCTAGAAATCTAAAGATAAAGGAGAAAAGAAGCTTTGCCATGTCCTACGTGAAACTCATGAAAGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_033374
Insert Size:	5487 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:	<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_033374.3 , NP_203538.2
RefSeq Size:	6431 bp
RefSeq ORF:	5487 bp
Locus ID:	94176
UniProt ID:	Q8C3J5
Cytogenetics:	11 A4
Gene Summary:	Involved in cytoskeletal rearrangements required for lymphocyte migration in response of chemokines. Activates RAC1 and RAC2, but not CDC42, by functioning as a guanine nucleotide exchange factor (GEF), which exchanges bound GDP for free GTP. May also participate in IL2 transcriptional activation via the activation of RAC2.[UniProtKB/Swiss-Prot Function]