

Product datasheet for MC215710

Dbnl (NM_001146308) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Dbnl (NM_001146308) Mouse Untagged Clone
 Tag: Tag Free
 Symbol: Dbnl
 Synonyms: Abp1; mAbp1; SH3P7
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 Fully Sequenced ORF: >MC215710 representing NM_001146308
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGC**C

ATGGCGGTGAACCTGAGCCGGAACGGGCCGGCGCTGCAGGAGGCCTACGTGCGCGTAGTCACCGAGAAAT
 CCCCAGCCGACTGGGCTCTTTTACCTATGAAGGCAACAGCAATGACATCCGTGTGGCTGGCACAGGAGA
 GGGAGGCTGGAGGAGCTGGTGAAGAGCTCAACAGCGGGAAGGTGATGTACGCCTCTGCAGGGTGAAG
 GACCCCAACTCCGGCCTGCCAAGTTTGTCTCATCAACTGGACAGGAGAGGGTGTGAATGATGTGCGGA
 AAGGAGCATGTGCCAACACGTCAGCACCATGGCCAATTCTGAAGGGTGGCCACGTGACCATCAATGC
 CCGGGCCGAGGAGGATGTGGAGCCTGAGTGCATCATGGAGAAGGTTGCCAAGGCCTCTGGGGCAACTAC
 AGCTTCCATAAGGAAAGCACCTCCTTCCAGGATGTAGGGCCGAGGCCCCAGTGGGCTCTGTGTACCAGA
 AGACCAATGCCATATCTGAGATCAAGAGAGTCGGAAGGATAACTTCTGGGCCAAAGCTGAGAAGGAAGA
 AGAGAACCGCCCTGGAGGAGAAGCGGCGTGCCGAAGAGGAGCGGCAGCGGTTGGAGGAGGAGCGACGA
 GAGCGGGAGCTGCAGGAGGCTGCCGACGTGAGCAGCGCTACCAGGAACAGCACAGATCAGCTGGAGCCC
 CGAGCCCTCCAGCAGGACAGGTGAGCCAGAGCAGGAAGCCGTTTCAAGGACCAGACAGGAGTGGGAGTC
 TGCTGGGCAGCAGGCCCCACCCACGAGAGATTTTCAAGCAGAAGGAAAGGGCAATGTCCACCACCTCT
 GTCACCAGCTCGCAGCCGGCAAGCTGAGGAGCCCTTCTGCAGAAGCAACTCACTCAACCAGAAACCT
 CCTACGGCCGAGAGCCCACAGCTCCTGTCTCCCGCCTGCAGCAGGTGTCTGTGAGGAGCCAGCGCTAG
 CACTCTGTCTTCTGCCAGACAGAAGAAGAACCTACATATGAAGTACCCCGAGAGCAGGACACCCTCTAT
 GAGGAACCACCACTGGTACAGCAGCAAGGGGCTGGCTCCGAACACATTGACAACATACATGCAGAGCCAGG
 GCTTCAGTGGACAAGGGCTGTGCGCCCGGCGCTTGTATGACTACCAGGCAGCTGATGACACCGAGATCTC
 CTTTGACCCTGAGAACCTAATCACAGGCATCGAGGTGATTGACGAAGGCTGGTGGCGAGGCTATGGCCT
 GACGGCCACTTTGGCATGTTTCTGCCAACTACGTGGAGCTCATAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001146308
Insert Size:	1311 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:	<u>NM_001146308.1</u> , <u>NP_001139780.1</u>
RefSeq Size:	2369 bp
RefSeq ORF:	1311 bp
Locus ID:	13169
UniProt ID:	<u>Q62418</u>
Cytogenetics:	11 3.87 cM
Gene Summary:	Adapter protein that binds F-actin and DNM1, and thereby plays a role in receptor-mediated endocytosis. Plays a role in the reorganization of the actin cytoskeleton, formation of cell projections, such as neurites, in neuron morphogenesis and synapse formation via its interaction with WASL and COBL. Does not bind G-actin and promote actin polymerization by itself. Required for the formation of organized podosome rosettes. May act as a common effector of antigen receptor-signaling pathways in leukocytes. Acts as a key component of the immunological synapse that regulates T-cell activation by bridging TCRs and the actin cytoskeleton to gene activation and endocytic processes.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and it encodes the longest protein (isoform 1).