

Product datasheet for **MC208364**

Dbnl (NM_001146309) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Dbnl (NM_001146309) 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: >MC208364 representing NM_001146309
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCGGTGAACCTGAGCCGGAACGGCCGGCGCTGCAGGAGGCCTACGTGCGCGTAGTCACCGAGAAAT
CCCCGACCGACTGGGCTCTTTTACCTATGAAGGCAACAGCAATGACATCCGTGTGGCTGGCACAGGAGA
GGGAGGCTGGAGGAGCTGGTGAAGAGCTCAACAGCGGAAGGTGATGTACGCCTCTGCAGGGTGAAG
GACCCCAACTCCGGCCTGCCAAGTTTGTCTCATCAACTGGACAGGAGAGGGTGTGAATGATGTCCGGA
AAGGAGCATGTGCCAACACGTCAGCACCATGGCCAATTCTGAAGGGTCCCCACGTGACCATCAATGC
CCGGGCCGAGGAGGATGTGGAGCCTGAGTGCATCATGGAGAAGGTTGCCAAGGCCTCTGGGGCAACTAC
AGCTTCCATAAGGAAAGCACCTCCTCCAGGATGTAGGGCCGACAGGCCCCAGTGGGCTCTGTGTACCAGA
AGACCAATGCCATATCTGAGATCAAGAGAGTCGGAAGGATAACTTCTGGGCCAAAGCTGAGAAGGAAGA
AGAGAACCGCCGCTGGAGGAGAAGCGGCGTGCCGAAGAGGAGCGGCAGCGGTTGGAGGAGGAGCGACGA
GAGCGGGAGCTGCAGGAGGCTGCCGACGTGAGCAGCGCTACCAGGAACAGCACAGATCAGCTGGAGCCC
CGAGGACAGGTGAGCCAGAGCAGGAAGCCGTTTCAAGGACCAGACAGGAGTGGGAGTCTGCTGGCAGCA
GGCCCCACCCACGAGAGATTTTCAAGCAGAAGGAAAGGGCAATGTCCACCACCTCTGTACCAGCTCG
CAGCCGGCAAGCTGAGGAGCCCTTCTGCGAAGCAACTCACTCAACCAGAACTCCTACGGCCGAG
AGCCACAGCTCCTGTCTCCCGCCTGCAGCAGGTGTCTGTGAGGAGCCAGCGCTAGCACTCTGTCTTC
TGCCAGACAGAGAAGAAGCCTACATATGAAGTACCCAGAGCAGGACACCTCTATGAGGAACCA
CTGGTACAGCAGCAAGGGCTGGCTCCGAACACATTGACAACATCATGCAGAGCCAGGGCTTCAGTGGAC
AAGGGCTGTGCGCCGGCCTTGTATGACTACCAGGCAGCTGATGACACCGAGATCTCTTTGACCTGA
GAACCTAATCACAGGCATCGAGGTGATTGACGAAGGCTGGTGGCAGGCTATGGGCTGACGGCCACTTT
GGCATGTTTCTGCCAACTACGTGGAGCTCATAGAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001146309
Insert Size:	1299 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_001146309.1</u> , <u>NP_001139781.1</u>
RefSeq Size:	2357 bp
RefSeq ORF:	1299 bp
Locus ID:	13169
UniProt ID:	<u>Q62418</u>
Cytogenetics:	11 3.87 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses a different splice site in its 3' coding region, compared to variant 1. The resulting protein (isoform 2) is shorter when it is compared to isoform 1.</p>