

## Product datasheet for MC224712

### Dnmbp (NM\_028029) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Dnmbp (NM\_028029) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Dnmbp  
**Synonyms:** 2410003L07Rik; 2410003M15Rik; Tub; TUBA  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC224712 representing NM\_028029  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGCCTGGATCCATGGTCCGAGCCATCTTTGACTTCTGCCCTAGCGTCTCAGAGGAAGTCCACTCT  
 TCGTGGGGGACGTTATTGAGGTGCTGGCCGTGGTGGATGAATTTGGCTCCTAGGGAAGAAGGAAGATGT  
 TACAGGACAGTCCCCAGCAGTTTTGTGGAGATCGTGACAATCCAGTCTGAAAGAGGGCGAGAGGCTG  
 TTTGTCTGCATCTGCGAATTCGTATCTCGAGAGCTGAACAGTCTTCCCTCCATCGGGGAGACCTGGTGA  
 TTCTCGACGACAGCGCTCCCACTGCAGGATGGCTGCAGGGCCGAAGCTGCTGGGGCGCTTGGGGTCTT  
 CCCATCCTCCTGTGTCCAGGAGCTCTGCCTCTCCTCTCGGAGCCGACGCTGGCAGCACAGAGTGC GTT  
 CTTCAGGCCCCAGAGTACTCCCTGGGACAAGCAGGGCCCTCATGGGCCTTTCTGCCAGTTGGACGAGG  
 AGTTGGATTTCCAGGAAGGAGACCTGATCACCATTATCGGGTTCCTGAGCCGGGCTGGTTTGGGGAGA  
 GTTAGAGGGTCCGAGGGGCATTTCCAGAAGGTTTTGTAGAGCTGCTGGGGCCCTAAGGACTGTGGAT  
 GAGTCCGTAACCTCCAGAAGTGGAGATGACTCCGCTGTCAACGGTGAGGTGGATGTCCCTCCAGAAGAAG  
 CAGAGAGTGGAGGCGACGAGGACGACGAGTCCGGGACCTATGGAATCGCCCTACAGATTTCCAAGC  
 CCTGGAGACGAATGAGTTGACTTTGAGGTAGGGGACAGAATTCAAATACTGGGGACCTTGAGGATGGC  
 TGCTGGAAGGATGTCTGAAGGGCAAGACAGGGTCTTTCCCATCGCTTTGTGAAGTTATGTCCTAGCA  
 ACAGGACAGAGGAAACCAGGCTCAGCCCCAGGAAAGCAGTTTCCCAAGGACTCTGAAAGCTCTGTGGG  
 CAAGTCAGGGGACTCCGTGGTGGAGGAAGCAAGACAGGAACCATGGGAGTGTGAAGAAGAAGACCTGAC  
 TATGATCTCCAGGACAAGCCTCCGTGCCCAAGATCACGTAGCACCCGAGTGGACTGGAGATACGATCT  
 CAGGTGAGATAAAGATGCTTCAGGGAGCTCTCCTGATGTGGATCTTGAAGGCCTTTGCTAAAGACCT  
 TTCCACACCTGACCCCTCAGAGGAAGTCAACGGTGTCTTCCAGCCTCAGGTACCTATTCATCCCAA  
 GTGCAGAAGGCCAACACTATCTAACAGCAGGAGGGAGCCACCAACCTCTGACCCATTCTGAGCTTG  
 TCCCACTAGAAGCCAGGACCAGAGACTACTCCAGCCTGCCTCCTAGAAGAACATAGCCCAAGGTTGGTC  
 ATTCCAGAAGCCAGCGTCCACCTCCAGAGGGCCTCTCCCTTACAGCCTCAAGGCTAGACAGACCCAGC  
 CACTTTTGCCATCCAGCCATGGCCAGCTATGCTCAGAAGCACCAACATCTACAGAAAATACTGCCAGCC



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TCCACGATCCACCAGAGAGACCAGAGAGAAGGCCTGGCTTACAAGACAGGGGGCCTGCCACAGATATAAC  
CACAGCGTCACAGGGGGACAGCCTGGACCTAGATTCCAAGTTGACCCAACAGCTGATAGAGTTTGAGAAG  
AGTCTGTGAGGGCCAGCACAGAGCCAGAGACGATTGTACGCCGCTTTTCAATCATGGACTTTTACTCTG  
AGAAGGATATCGTGAGAGGCTCCTCAAATTCACTACCCTCACAGGCTTTCCCGAGAGGAGAAAGACCT  
GAGGCCACCACCTCCTAGACCCCGTACCCCAACACCCATTTCTCCACTTGCTAGTTGACCAGAGCCCG  
AAACCTGTACCCACCTTGGTTGTGCGGCCCTCCGACCAGCTCCTCTGCCTCCTCCTGCCAGCAGAGGA  
TGAATACGGCCTCCCCAAAGCCACCTCCTGTGCCATCCTGGCTGGGAGGCCCCAGAGAAGGAGGACTC  
TGAGCACATGGAGAAGAGCCAGCCAGACTTTTCCGTGCCCTCCATGCTGGCAAGGATCCGGGACGTG  
GAACAGGACCTGGACACGTGTACCAGGGCTCAGGAAGAGCTGAACCTGCTGTTGGAGAAAAGCAAGATG  
ACCCGTCGAGGGCAGAGACTCTTGAGACTCTCAGATCCTACGAGAGCACCATTAGAGCCTGACCCTGGA  
GCTTCAGCAGCTGAGAGACATGACGCTCCTCTCTTCCAGTCTTCATCCCTGGCGCCCCCTTTGGGTCT  
GTGTCCACTGAAAACCCAGAGCAGAGGATGCTGGAGAAGAGAGCCAAGGTGGTGGCGGAGCTTTGCAGA  
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GGTACCAAACGTTGATTTGAAGGACTTTTGGAAATATGCAAACAGTGATTAAGTCTCAAAGCAATTG  
TTGGCGCCTTGGAAATCAGCGATGCTGTAGGTATGAGCTCATGCGATTGTTGGTCCCAGGACCCGTGT  
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CCTGCTGGAAATGTATGAGAAGGACGAGAAGACCCAGAAGCACCTTCAGGACTACCTGGCAGATCTCAAG  
GGATGCACCAATTACATCAACCTGGGCTCCTTCTCATCAAGCCCGTACAGAGAATAATGCGTTACCCGC  
TGCTGCTGATGGAGTTGCTGAATTCACCCCAAGTCCACCCGGATAAAGTGCTTTAACCAACGCGGT  
CCTCGCGTCAAGGAGATCAATGTTAACATTAATGAGTACAAGCGTCGGAAGGATCTGGTGTAAAGTAC  
CGCAAAGGGGATGAAGATAGCCTGATGGAAAAGATCTCCAAGTGAACATACACTCCATCATCAAGAAGT  
CCAGCCGCTTAGCAGCCACCTCAAACCTCACTGGCTTCGCTCCGAGCTAAAAGATGAAGATTTTGA  
AGAGACAGAAAAGAACTCCGGATGCAGGAGAGATTGATTAATCTTTTATCCGAGACTGTCCCTCAC  
TCCAGCATATACGGGAATCTGCATGTGTGAAGGTGGTGGCAGCCATGAGCATATGGGATCTGTGCATGG  
AGAGGGGACATCATGACCTGGAGCAGTTCGAGAAGGTGCATCGCTACATCAGTGACCAGCTCTTACACG  
GTTTAAAGAGAGGACCGAGCGGCTCGTCATCAATCCCTTAAACCAGTTGTTGAACATGTTACGCGGCC  
TACAAGCTGGTGCAGAAGCGTTTCGACAAGCTCCTGGACTTCTACAAGTGCAGTGCAGGAGCGGAGAAGC  
TGAAGGACAAGAAGACTCTGGAGGAGCTGCAGTGCAGCCGAAACAACACGAGGCCCTGAACTCGCAGCT  
GCTGGACGAGCTGCCAAGTTCAGCAGTACGCCAGAGCCTCTTACCAACTGCATCCACGGCTATGCC  
GAAGCCACTGTGACTTCGTGCAGCAAGCCCTGGAGCAGCTGCAGCCGCTGCTGTGTTACTGAAAGCCA  
CCGACCGAGAAGGCAACTTGATCGCCATCTTCTTGGAGCAGCAGCCGGGTGCTACAGCAGCTCCAGGT  
CTTCACATTTTCCCGAGTCCCTCCCAGCGCCAGGAAGCCCTTGGAGAGAAAACCACAGACCCGCGAG  
TCATCCCGGAAGACCTTCTGGGATGCCAAGCTACATGCTGCAGTCCGGAAGAGCTGCGGAGCTCCCTGC  
TGGCGAGGTACCCGCGGAAAAGCTCTTCCAGCTCCAGCGGAACTTCAACGCTGCCGAGGACTTGGATGT  
CTCCCTTTTGAAGGCGACCTGGTGGCGTGATCAAAAAGAAAGACCCCATGGGCAGCCAGAACCCTGG  
CTCGTGGACAACGGAGTCAACAAAGGCTTTGTCTACAGCTCCTTCTGAAGCCTTACAATCCTCGTGCA  
GCCATTCGGATGCCTCCGTGGCCAGCACTCCTCCAGGAGTGCAGCAGAGTGGCTCCTCCCCGGGTG  
CCATCGACAGAACAGCCACAGTGCCTTGACCTTCAACTCCAACAACATGACTGTGCTTACCTCAGGA  
CTTGCCCTAACGCAGCCTCAGGATGCATCTCCACTGAAGGACTGTGCCACGAAACTCTCGCTGTGTCCT  
GGAACACAGGGCATCCAGAGACTGGACCTTCCAGTGCTTCCGACCCAGGCTTTTCTGCCAGCGCAG  
GCTGGGGAACCTGCAGATGGTGCAGAGACATCAGCCAACTGCTTCAACCTTGAAGGGTGCAGCGA  
GGCTCCCCGATTGAGAAGTGGTCGTTACTCTGTGCCAGGGCAAAATGACCAAGGCAGTACTCTATAA  
AAGGCTCTGCAAGAGTCTGTGAGGCTCCAGAAGACAGAGACAGAGGGGTGGGAGCAGCGAGACAGAGGG  
CAACCAGGTCTATTTGCCATTTACTTTCAAGGCACGAAACCCAAATGAACTGAGTGTGTAGCCAT  
CAGAGACTCAGGATCCATGAGTTTAAAGACGTACAGGCAATACAGAGTGGTGGTGGCTGAAGTTAACG  
GAAGGAAGGGCTACGTCCATCCAATATATCCGAAAACCGAGTACACCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

SgfI-MluI

**ACCN:**

NM\_028029

<b>Insert Size:</b>	4743 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_028029.4</a> , <a href="#">NP_082305.1</a>
<b>RefSeq Size:</b>	6113 bp
<b>RefSeq ORF:</b>	4743 bp
<b>Locus ID:</b>	71972
<b>UniProt ID:</b>	<a href="#">Q6TXD4</a>
<b>Cytogenetics:</b>	19 C3
<b>Gene Summary:</b>	<p>This gene encodes a member of the DBL family of guanine nucleotide exchange factors. The encoded protein has been proposed to regulate the actin cytoskeleton by specifically activating the Rho-family GTPase Cdc42. An interaction between the encoded protein and a Listeria protein has been shown to mediate Listeria infection. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2015]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>