

Product datasheet for RR216659

Dbnl (NM_001277212) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dbnl (NM_001277212) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dbnl
Synonyms:	abp1; Sh3p7
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR216659 representing NM_001277212 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGTGAACCTGAGCCGGAACGGGCCGGCGCTGCAGGAGGCCTATGTGCGGGTGGTCACCGAGAAAT
CCCCGACCGACTGGGCTCTTTTACCTATGAAGGCAACAGCAATGACATCCGTGTGGCTGGCACAGGGGA
GGGAGGCTGGAGGAGCTGGTGGAGGAGCTCAACAGCGGAAGGTGATGTACGCCTCTGCAGGGTGAAG
GACCCCAACTCTGGCCTGCCAAGTTTGTCTCATCAACTGGACAGGCGAGGGTGTGAATGATGTGCGAA
AAGGAGCATGTGCCAACACGTCAGCACCATGGCCAACCTCCTAAAGGGTGCCCATGTGACCATCAACGC
ACGGGCTGAGGAAGATGTGGAGCCTGAGTGCATCATGGAGAAGGTTGCCAAGGCTTCTGGGGCTAATTAC
AGCTTCCATAAGGAAAGCAGCTGCTCCAGGATGTGGGGCCTCAGGCCCCAGTGGGCTCTGTGTACCAGA
AGACCAATGCCGTGTCTGAGATCAAGAGAGTTGGCAAGGATAACTTCTGGGCCAAAGCTGAGAAGGAGGA
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GAGCGGGAGCTGCAGGAGGCTGCCGACGGGAACAACGCTACCAGGAACAGCACAGATCAGCTGGACCCC
CAAGGACAGGTGAACCTGGAGCAAGAGTGGTTTCAAGGAGCAGACAGGAATGGGAGTCTGCTGGGAGCA
GGCCCCACCCACGGGAGATTTTCAAGCAGAAGGAAAGGGCTATGTCCACCACCTCTGTCTCCAGCTCT
CAGCCAGGCAAGCTGAGGAGCCCTTCTCTGAGAGCAGTTCCTCAACAGAAAGCTTCTATGGCCGAG
AGCCCACTTCTCTGTGTACGGCCTGCAGCAGGTGTCTGCGAGGAGCTGGCACCCAGCACTCCGCCCTC
AGCCAGACAGACGATGAACCTACATATGAAGTGCCTCCGAGCAGGAGACCCTGTACGAGGAACCACCA
CCGGTCCAGCAGCCAGGGGCTGGCTCCGGACACATTGACAACATCATGCAGAGCCAGGACCTCAGTGGGC
AAGGACTGTGCGCTCGGGCCTTGTACGACTACCAGGCAGCTGACGACACGGAGATCTCTTTGACCTGA
GAACCTAATCACAGGCATCGAGGTGATTGACGAAGGCTGGTGGCGTGGCTATGGGCTGACGGCCACTTT
GGCATGTTTCTGCCAATATGTGGAGCTCATAGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR216659 representing NM_001277212
 Red=Cloning site Green=Tags(s)

MAVNLSRNGPALQEAYVRVVTESPTDVALFTYEGNSNDIRVAGTGEGGLEELVEELNSGKVMYAFCRVK
 DPNSGLPKFVLINWTGEGVNDVRKGCANHVSTMANFLKGAHV TINARAEEDVEPECIMEKVAKASGANY
 SFHKSSCFQDVGPQAPVGSVYQKTNVASEIKRVGKDNFWAKAEKEENRRLEEKRRRAEEEEKQRLEEERR
 ERELQEAAARREQRYQEQRHSAGPPRTGELEQEVVSRSRQEWESAGQQAPHPREIFKQKERAMSTTSVSSS
 QPGKLRSPFLQKQFTQPEASYGREPTSPVSRPAAGVCEELAPSTPPSAQTDDPEPTYEVPSEQETLYEPP
 PVQQPGAGSGHIDNYMQSQDL SGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRGYGPDGHF
 GMFPANYVELIE

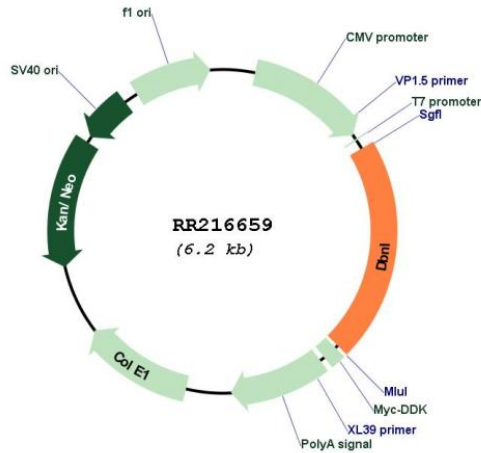
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001277212

ORF Size:	1296 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001277212.1 , NP_001264141.1
RefSeq Size:	2283 bp
RefSeq ORF:	1299 bp
Locus ID:	83527
UniProt ID:	Q9JHL4
Cytogenetics:	14q21
MW:	48.3 kDa
Gene Summary:	actin-binding protein involved in actin cytoskeleton organization in dendrites [RGD, Feb 2006]