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Product datasheet for MR223638

Dnmbp (NM_028029) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dnmbp (NM_028029) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Dnmbp
Synonyms:	2410003L07Rik; 2410003M15Rik; Tub; TUBA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR223638 representing NM_028029
Red=Cloning site Blue=ORF Green=Tags(s)

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CACTTTTGCCATCCAGCCATGGCCAGCTATGCTCAGAAGCACCAAACATCTACAGAAAATACTGCCAGCC
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Protein Sequence:

>MR223638 representing NM_028029
Red=Cloning site Green=Tags(s)

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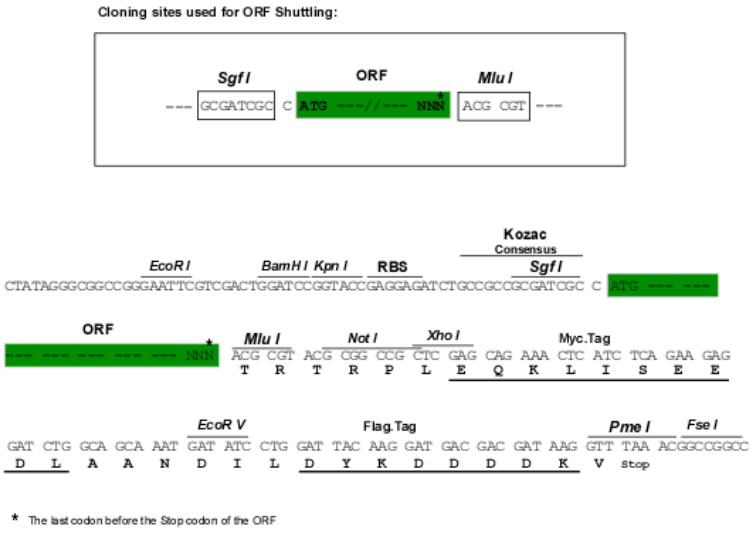
Chromatograms: https://cdn.origene.com/chromatograms/mm9102_d04.zip

Restriction Sites: SgfI-MluI

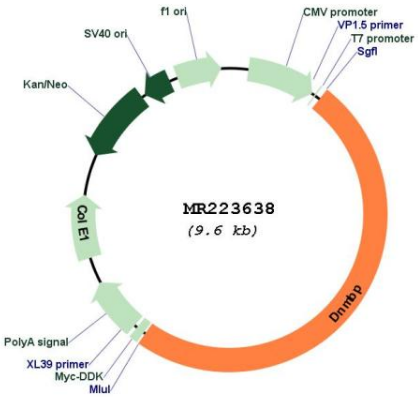
Cloning Scheme:



ACCN: NM_028029

ORF Size:	4740 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:	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_028029.4, NP_082305.1
RefSeq Size:	6113 bp
RefSeq ORF:	4743 bp
Locus ID:	71972
UniProt ID:	Q6TXD4
Cytogenetics:	19 C3
MW:	177.2 kDa
Gene Summary:	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]

Product images:



Circular map for MR223638