

Product datasheet for MR203584

Nabl (NM_028757) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nabl (NM_028757) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nabl
Synonyms:	1200007O21Rik; A630080F05Rik; BB140644; D830029A09Rik; Lnebl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR203584 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAATCCCCAGTGCGCCGCTGCGGAAAAGTGGTGTATCCACAGAGAAAGTCAACTGTCTAGATAAGT
ATTGGCATAAAGGATGTTTCCACTGCGAGGTCTGCAAGATGGCTCTCAACATGAACAACACAAAGGCTA
TGAAAAGAAGCCCTATTGCAATGCACACTACCCAAAGCAGTCCTTACCACAGTGGCGGATACACCTGAA
AACCTTCGCCTGAAGCAGCAAAGTGAAGTGCAGAGCCAGGTCAAGTACAAAAGAGATTTTGAAGAAAGCA
AAGGCAGGGGCTTCAGCATTGTACAGATACTCCTGAGCTGCAGAGGCTGAAGAGGACCCAGGAGCAGAT
CAGTAATGTCAAATACCATGAAGATTTTGAGAAGACAAAGGGAAGAGGCTTCACTCCCGTTGTGGATGAT
CCTGTGACTGAGAGGGTGAAGGAGCACCAGGTTGTGAGCGATGCTGCCTATAAAGGGGTCCAGCCAC
ATGTTGTGGAGATGGATAGAAGACCTGGGATCATTGTTGCACCTGTCTTCTGGAGCTTACCAGCAGAG
CCATTCCTCAAGGCTATGGGTACATGCATCAGACCAGCGTGTCTCATGAGGTCAATGCAGCCTCCAGCA
CATCTAAGGACCTACCGGCCATGTACGATTATAGCGCCAGGATGAAGATGAGGTCTCCTTCCGAGATG
GTGACTACATTGTCAACGTGCAGCCATTGATGATGGCTGGATGTATGCCACCGTGCAGAGAACCGGGAG
AACGGGCATGCTCCAGCAAATTACATTGAGTTTGTGAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203584 protein sequence
 Red=Cloning site Green=Tags(s)

MNPQCARCCKVVYPTEKVNCLDKYWHKGCFCHEVCKMALNMNNYKGYEKKPYCNAHYPKQSFTTVADTPE
 NLRLLKQQSELQSQVKYKRDFFESKGRGFSIVTDPELQRLKRTQEQISNVKYHEDFEKTKGRGFTPVVDD
 PVTERVRKSTQVVSDDAAYKGVQPHVEMDRRPGIIVAPVLPAYQQSHSQGYGYMHQTSVSSMRSMQPPA
 HLRITYRAMYDYSAQDEDEVSRFDGDIYVNVQPIIDGWMYGTVQRTGRTGMLPANYIEFVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_028757

ORF Size: 813 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_028757.1](#), [NM_028757.2](#), [NP_083033.1](#)

RefSeq Size: 2980 bp

RefSeq ORF: 813 bp

Locus ID: 74103

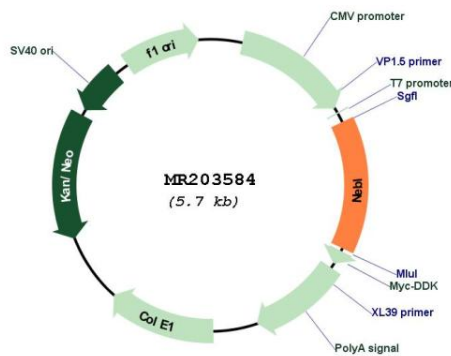
UniProt ID: [Q9DC07](#)

Cytogenetics: 2 A3

MW: 31.1 kDa

Gene Summary: Binds to actin and plays an important role in the assembly of the Z-disk. Isoform 2 might play a role in the assembly of focal adhesion (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR203584