

## Product datasheet for **RR217412**

### Nabl (NM\_001191694) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Nabl (NM\_001191694) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Nabl  
**Synonyms:** Lasp-2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR217412 representing NM\_001191694  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAAGGTGCCTGTATCCGGGGATGTGAAAGAGGAAACCGAAGAGGAAAAATGTGGAGGAGGAAGAAAAGC  
CAGAAGACGAGGTGTTTCTGAAACCTGTCGTTGAAGACCTAAGCATGGAGCTGGCCAGAAAGTGCACCGA  
GCTCATTAGTGACATCCATTATAAAGAAGACTATAGAAAGTCTAAGGACAAGTGTACGTCTGTGACTGAT  
ACCCCTACGCTAAACCATGTGAAAAATATTAGTGCCTTTATTTCTGAGACAAAATACAAAGGTACCATTA  
AAGCTGATCTTTCTAACTGTCTGTATAAGGACATGCCTGCTACCATTGACAGTGTCTTTGCAAGAGAAGT  
GTCCCAGCTTCAGAGTGAGGTTGCCTATAAGCAGAAGCATGAGGCGGAGAAAAGGCCCTCTCCGATTATGCC  
CACATGAAGGAACCCAGGAGTGCAGACACGCCATGGAGGTCAACAGGCACCAGAGTAACATTTCTTACA  
GAAAAGATGTGCAAGGCACCCACACGTATACAGCGGAGATGGACAGACCCGATATCAAGAAGGCAACTCA  
GATCTCCAAGATCATAAGCAATGCAGAATAACAAGAAAGGACAAGGCATCGTGAATAAAGAACCTTCTGTA  
ATTGGGAGACCAGATTTGAACATGCCGTGGAAGCTTCTAAACTTTCTAGTCAGGTTAAATATAAAGAAA  
AGTTTGATAATGAAATGAAGGGAAAAGGCCACCATTACAACCCTCTGGGAAGTGCCTTTTCAGACAACA  
CCAGCTCGCTACTGTCTGGCAAGCGATGTGAAGTACAAGAAAGATGTTCAAACCATGCACGAGCCAGTT  
TCAGATCTCCAAACTTGTGTTCTTAGACCATGCTCTGAAAGCCAGCAGAATGCTCAGTGGATGGGAAT  
ATAAAAAGAAATTTGAAGAAAACAAAGGATCGTATCACTTTGATGCAGAGGCCCTGAACACCTACACCA  
TAGAGGAAATGCCACCCTCCAGAGTCAGGTAAAAATACAGAGAAGAATATGAGAAGAATAAGGGGAAGACC  
ATGCTTGACTTTGTTGAGACACCATCATATCAGTCTTCAAAGGAGGCTCAGAAGATGCAGAGCGAGAAAAG  
TTTACAAAGAAGATTTTGAAGAGGAGATTAAGGAAGATCCTCACTGGATTTAGACAAGACTCCTGCATT  
TCTACACGTGAAGCACATCAGCAACCTGATGAGGGAGAAAAGAATATAAAAAAGATTTGAAAATGAATA  
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TACCCCTTGAAATACAGCGAGTCAAAGAGCTGCCAAGATAGCCAGTGAGAAAAGACTATAAAAAGAGATCTG  
GAGACAGAAATTAAGGGAAAGGAATGCAGGTCAGCACAGACACGCTGGATGTTTCAGAGAGCTAAGAGGG



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CATCTGAGATGGCCAGCCAGAAGCAATATAGGAAAGACTTGGAGAATGAAATTAAGGGGAAAGGAATGCA  
 AGTAAACGTGGATATCCCGGACATGCTTCGAGCCAAGAGGGCGTCTGAAATCTACAGCCAGAAAAAGTAT  
 AAAGATGAAGCTGAGAAGATGCTCTCCAATATCCACTGTGGCAGTCACTCCCGAGATTCAGAGAATCA  
 AGACGACACAGCAAAACATTAGCAATGTATCTTATAAGGAGGAAGTAAGAGCTGGCACAGCCGTAAGGAA  
 TACTCCAGAGATTGAACGAGTGAAGAAAAACCAGCACAATATTAGTTCGGTGAATTTGAAGAAGGAATT  
 AAGCATGCAACAGCCATTTCTGATCCTCTTGAGCTAAAGAGAGTTACAGAAAAACCAGAAGGACGTCATCA  
 ATAGGTTCCAGTATAAAGAGCCAACTATAAGGCCACTCCGGTAACCATGACCCAGAGATAGAGAGAGT  
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 GATCTGCCAGGGCTGAAGAGAGTGAAGAAAAACCAGAAAACTATCAGCAATGTTTATTATAAAGGCAAT  
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 GAGCGATGCTGCCTATAAAGGGTACAGCCTCATGTTGTGGAGATGGATAGAAGACCTGGGATCATTGTT  
 GACCTTAAAGTGTGGCGTACAGATCCCGGATCCATCTTCGACATTGACCCCTGGAGACAATATTCAGT  
 CTGAAGTCTCCATATGCTCTCTGAAAAGGCAAGTCAGTACCAGAGCCGCTGTCTCGCTCACACTCTGG  
 CAGCACTTTTGGTACGGGTCTGGGAGATGACAAGTCAGAGATCTCCGAGCTCTACCTAGCTTTTCTGT  
 TGCAGTGAAGTAAACAAGACCATCTGATGAAGGAGCACCCGTCCTTCTGGAGCTTACCAGCAGAGCCACT  
 CCCAAGGCTACGGGTACATGCACCAGACCAGCGTGTGTCCTGAGGTCATGCAGCATTAGCAAAATCT  
 AAGGACCTACCGAGCCATGTACGATTACAGTGCCAGGACGAAGATGAGGTCTCCTTCCGAGATGGTGAC  
 TACATCGTCAACGTGCAGCCATTGATGACGGCTGGATGTATGGCACCGTGCAGAGAACCCGGGAGAACGG  
 GCATGCTCCAGCGAATTACATTGAGTTTGTGAAT

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGAT AAGGTTTAA

**Protein Sequence:**

>RR217412 representing NM\_001191694  
 Red=Cloning site Green=Tags(s)

MKVPVSGDVKEETEENVEEEKPEDEVFLKPVVEDLSMELARKCTELISDIHYKEDYRKSJKDKCTSVTD  
 TPTLNHVKNISAFISETKYKGTIKADLSNCLYKDMPATIDSVFAREVSQEQSEVAYKQKHEAEKGLSDYA  
 HMKEPPEVRHAMEVNRHQSNISYRKDVQGTHTYTAEMDRPDIKKATQISKIISNAEYKKGQGI VNKEPSV  
 IGRPDFEHAVEASKLSSQVKYKEKFDNEMKKGHHYNPLGSASFRQHQLATV LASDVKYKQDVQTMHEPV  
 SDLPNLLFLDHALKASRMLSGWEYKKNFEENKGSYHFDAEAPHLHHRGNATLQSQVKYREEYEKNKGKT  
 MLDFVETPSYQSSKEAQKMQSEKVKYKEDFEKEIKGRSSLDL DKTPAFLHVKHISNLMREKEYKDLENEI  
 KGKGMELSSEVLDIQRAKRASEMASEKEYKDLLEIKGKGMQIDADTLEIQRVKRAAKIASEKDYKRDLE  
 ETEIKGKGMQVSTDTLDVQRAKRASEMASQKQYRKDLENEIKGKGMQVNVDPDMLRAKRASEIYSQKKY  
 KDEAEKMLSNYSTVAVTPEIQRIKTTQQNISNVSYKEEVRAGTAVRNTPEIERVKKNQHNISSVKFEEGI  
 KHATAISDPLELKRVTENQKDVINRFQYKEPTYKATPVTMTPEIERVRRNQEQLSAVKHKGELKQATSIL  
 DLPGLKRVRENQKTI SNVYKQQLGRATALSVTPEMERVKNQENISSVKYTDHQMKGRCVILDTPA  
 LRHVKEAQNHVSMVKYHEDFEKTKGRGFTPVVDDPVTERVRKNTQVVSDAAYKGVQPHVEMDRRPGIIV  
 DLKVVWRTDPGSI FIDPLEDNIQSRLHMLSEKASQYQSRLSRSHSGSTFGTGLGDDKSEISELYPSFSC  
 CSEVTRPSDEGAPVLPAYQQSHSQGYGYMHQTSVSSVSRMSQHSANLRTYRAMYDYSAQDEDEV SFRDGD  
 YIVNVQPIDDGWMYGTVQRTGRTGMLPANYIEFVN

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



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<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_001191694.1</a></u> , <u><a href="#">NP_001178623.1</a></u>
<b>RefSeq Size:</b>	3127 bp
<b>RefSeq ORF:</b>	3048 bp
<b>Locus ID:</b>	307189
<b>Cytogenetics:</b>	17q12.3
<b>MW:</b>	116.1 kDa