

## Product datasheet for **MR226182**

### Enah (NM\_001083120) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Enah (NM_001083120) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Enah
Synonyms:	Mena; NDPP-1; Ndpp1; WBP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR226182 representing NM\_001083120  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGTGAACAGAGTATCTGTCAAGCAAGAGCTGTGTGATGGTCTATGATGATGCCAATAAGAAGTGGG  
 TGCACAGCTGGTGGCTCAACTGGGTTTCAGCAGAGTACATATATATCACCATACAGGCAACAACACATTCAG  
 AGTTGTGGGCAGAAAGATTCAAGACCATCAGGTTGTGATAAACTGTGCCATTCTAAAGGCTGAAGTAC  
 AATCAAGCTACACAGACTTCCACCAATGGAGGGATGCTAGACAGGTGTATGGTCTCAACTTTGGCAGCA  
 AAGAGGATGCCAATGTCTTCGCAAGTGCCATGATGCATGCCTTAGAAGTGTAAATTCACAGGAAGCAGG  
 GCCAACATTGCCAGACAAAATTCACAGCTACCTGCTCAAGTTCAAAATGGCCCATCCAAGAAGAGCTG  
 GAAATCCAGAGAAGGCAACTGCAAGAACAGCAGCGACAGAAGGAAGTGGAGAGGGAAAGAATGGAGAGGG  
 AAAGTTGGAGAGAGAAGCAGTACAACGAGAGAGGCTAGAGAGGGAGCGCTGGAACAAGAGCAGCTGGA  
 GCGGCAGCGGCAGAAAGGGAGCAGTGGAGCGGCTGGAGAGGGAGAGGCTGGAGCGCTGGAGCGAGAG  
 AGGCAGGAGCGGGAGCGAGAGCGCTGGAGCAGCTGGAGCGGGAGCAAGTGGAGTGGGAGCGAGAGCGCA  
 GAATGTCCAATGCTGCTCCATCTCAGACAGCTCCCTGTCTAGTGTCTCCACTTCTGAGTATTCCAGTTG  
 CCAGCGCCTTCGGCACCTCCTCCATCATATGCTAAAGTCATCTCAGCTCCGGTGTGAGAGCGCCACTCCT  
 GATTACGCTGTAGTACTGCTTTGCCACCTACTTCCACACCCCTACACCACCACTGAGACACGCAGCGA  
 CAGTTTTGCAACATCTCTAGGTTACAGCTTCCACCCTGTTCTTCCCCATTACGCTACAGTTCTCGTCC  
 TCTCAAAAAAATCTCGACCTTCTTCTCTGTGAACACACCCCTTCTCAGCTCCAGCTGCGAAGTCC  
 TGTGCCGCTACTTCCAATTTCTCGCCCTCCCTCCATCTCCTCCAATAATGATTAGCAGCCCCCTG  
 GCAAAGTACTGGCCACGGCCTGTCTTCCGTTTGTGTCTCCTCCTGTGCCCAAATGCCTCCGCT  
 ACCAACAGCACCCAATGGGTCGCTAGACTCTGTAAACATACCCAGTGTCTCCACCGCTACCTCAGGGCCA  
 GCAGCGCCACCTCCGCCGCCACCGCCACCGCCACCGCCGCCACCACCACCGCGCTGCCACCGCCG  
 CGCTGCCTCCCCTCGCTCACTCTCACACTGTGGATCACAGGCTTCTCCTCCTCCAGGCACCCCTTTGC  
 CTCAACTCCCTCATCCAAGCCAGTGTCTCCCTTCTCCTCTGCAGCTGCCCTGCCTCTGCGGAGACC  
 CCTCTAAATCCTGAGCTGGGAGACTCCTCTGCTTCCGAGCCAGGCTTGCAGGCAGCCTCTCAGCCGGCCG  
 AGTCGCCAACCCACAGGGCCTTGTCTTGGACCACCTGCACCTCCGCCACCACCCCTCTCCCATCAGG  
 CCCTGCCTACGCCTCAGCACTTCTCCTCCCCAGGACCCCTCCACCACCTCCACTGCCATCCACTGGT  
 CCTCCTCTCCACCCCTCCACCACCCCTCTTCTAATCAAGCTCCTCCCCCTCTCCCCACCTCCTG  
 CCGCTCCCTCCCGCATCTGGAATTTCTCTGGATCCACGTGAGAAGACAATCGCCCTTAACTGGACT  
 TGACAGTGAATTCGGGAGCAAACTTAGGAAAGTGTCCCGGTGGAGGATGGCTTTTCCCAGGTGGA  
 GGAATACTGGGAGTGTGAGCTTGGCCTCATCAAAGCAGACGCTGGGCGTGGGAATGGACCTTCTCCTC  
 TAGGGGTAGTGGCTTAATGGAAGAAATGAGTGCCTGTGGCCAGGAGGAGAAGATTGCTGAGAAGGG  
 ATCAACAATAGAAACAGAAACAAAAGGAAGACAGAAATGAAGATGCAGAGCCTATAACTGCTAAGGCCCA  
 TCAACAAGTACACCTGAACCAACCAGAAAACCTTGGGAAAGAACAACACAATGAACGGCAGTAAGTAC  
 CTGTCTCTCCAGACCAATCCACACCTTCTCACAGCCAAGTCCAATGGAGTCCAGACAGAAGGCT  
 TGACTATGACAGGCTGAAGCAGGACATTTAGATGAGATGAGAAAAGAGCTGGCAAAGCTGAAGGAGGAG  
 CTTATTGACGCAATCAGGCAGGAGCTGAGCAAGTCAACACTGCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR226182 representing NM\_001083120  
Red=Cloning site Green=Tags(s)

MSEQSICQARAAMVYDDANKKWVPAGGSTGFSRVHIYHHTGNNTFRVVGRKIQDHQVVINCAIPKGLKY  
NQATQTFHQWRDARQVYGLNFGSKEDANVFASAMMHALEVLNSQEAGPTLPRQNSQLPAQVQNGPSQEEL  
EIQRRQLQEQQRQKELERERMERERLERERLERERLERERLEQEQLERQREHVERLERERLERERE  
RQERERERLEQLEREQVEWERERRMSNAAPSSDSSLSSAPLPEYSSCQPPSAPPPSYAKVISAPVSDATP  
DYAVVTALPPTSTPPTPLRHAATRFATSLGSAFHPVLPHYATVPRPLNKNSRPSSPVNTPSSQPPAAKS  
CAWPTSNFSPLPPSPPIMISSPPGKATGPRPVLPVCVSSPVPQMPPSPTAPNGSLDSVTYPVSPPTSGP  
AAPPPPPPPPPPPPPPLPPPPLPLASLSHCGSQASPPPGTPLASTPSSKPSVLPSPSAAAPASAET  
PLNPELGDSSASEPGLQASQPAESPTPQGLVLGPPAPPPPPPLPSGPAYASALPPPPGPPPPPLPSTG  
PPPPPPPPPLPNQAPPPPPPPAPPLPASGIFSGSTSEDNRPLTGLAAAIAGAKLRKVSERVEDGSFPGG  
GNTGSVSLASSKADAGRNGPLPLGGGLMEEMSALLARRRRIAEKGSTIETEQQEDRNEDAEPITAKAP  
STSTPEPTRKPWERTNTMNGSKSPVISRPKSTPSSQPSANGVQTEGLDYDRLKQDILDEMRKELAKLKEE  
LIDAIRQELSKSNTA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**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\\_001083120.2](#)

**RefSeq Size:** 4219 bp

**RefSeq ORF:** 2358 bp

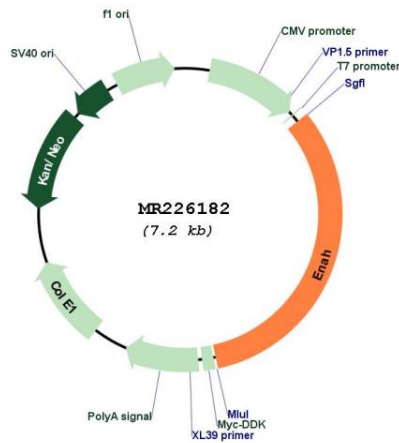
**Locus ID:** 13800

**Cytogenetics:** 1 84.93 cM

**MW:** 84.4 kDa

**Gene Summary:** Ena/VASP proteins are actin-associated proteins involved in a range of processes dependent on cytoskeleton remodeling and cell polarity such as axon guidance and lamellipodial and filopodial dynamics in migrating cells. ENAH induces the formation of F-actin rich outgrowths in fibroblasts. Acts synergistically with BAIAP2-alpha and downstream of NTN1 to promote filipodia formation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR226182