

Product datasheet for **MG226177**

Enah (NM_010135) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enah (NM_010135) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Enah
Synonyms:	Mena; NDPP-1; Ndpp1; WBP8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG226177 representing NM_010135
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTGAACAGAGTATCTGTCAAGCAAGAGCTGTGTGATGGTCTATGATGATGCCAATAAGAAGTGGG
 TGCCAGCTGGTGGCTCAACTGGGTTCAAGCAGAGTACATATATATACCCATACAGGCAACAACACATTTCAG
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 CTGAAGCAGGACATTTTAGATGAGATGAGAAAAGAGCTGGCAAAGCTGAAGGAGGAGCTTATTGACGCAA
 TCAGGCAGGAGCTGAGCAAGTCAACACTGCA

ACCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG226177 representing NM_010135
Red=Cloning site Green=Tags(s)

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MSEQSICQARAAMVYDDANKKWVPAGGSTGFSRVHIYHHTGNNTFRVVGRKIQDHQVVINCAIPKGLKY
NQATQTFHQWRDARQVYGLNFGSKEDANVFASAMMHALEVLNSQEAQSKVTATQDSTNLRCIFCGPTLP
RQNSQLPAQVQNGPSQEELEIQRRQLQEQRQKELERERMERERLERERLERERLERERLEQEQLERQRQ
EREHVERLERERLERERERQERERERLEQLEREQVEWERERRMSNAAPSSDSSLSSAPLPEYSSCQPPS
APPPSYAKVISAPVSDATPDYAVVTALPPTSTPPTPPLRHAATRFATSLGSAFHPVLPHYATVPRPLNKN
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NGSLDSVTYPVSPPTSGPAAPPPPPPPPPPPPPPPPLPPPPLPLASLSHCQSASPPPGTPLASTPS
SKPSVLPSPSAAAPASAETPLNPELGDSSASEPGLQAASQPAESPTPQGLVLGPPAPPPPPPLPSGPAYA
SALPPPPGPPPPPLPSTGPPPPPPPPPLPNQAPPPPPPPAPPLPASGIFSGTSEDNRPLTGLAAAI
AGAKLRKVS RVEDGSFPGGNTGSVSLASSKADAGRNGPLPLGGSGLMEEMSALLARRRRIAEKGSTIE
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LKQDILDEMRKELAKLKEELIDAIRQELSKSNTA
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TRTRPLE - GFP Tag - V

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_010135.3](#)

RefSeq Size: 4276 bp

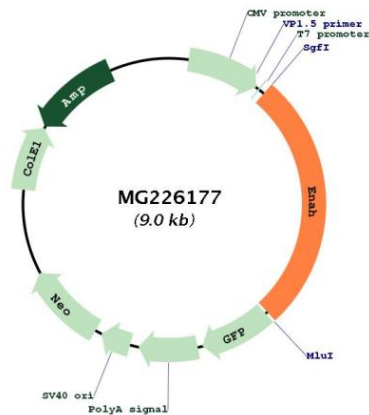
RefSeq ORF: 2415 bp

Locus ID: 13800

Cytogenetics: 1 84.93 cM

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 MG226177