

Product datasheet for **MC205302**

Enah (NM_001083121) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Enah (NM_001083121) Mouse Untagged Clone
Tag: Tag Free
Symbol: Enah
Synonyms: Mena; NDPP-1; Ndpp1; WBP8
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC062927
CGCCTGAGAAGAGACCCTCCGCTCGGCGGCTCCCGCGCCGGGAAGCCTCGGCGCCCGCGCACCATGAG
TGAACAGAGTATCTGTCAGGCAAGAGCTGCTGTGATGGTCTATGATGATGCCAATAAGAAGTGGGTGCCA
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CTCTGAAAGCCTCAGACAGTGACTCTGGCGATCAGCTGTCCCCTCAGTGTGCTGCTTTATTCTGTCTGAC
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AACAAAGCTGTTTTATGCACTAAACGTTTTGTGCCTTGGTCTAATATTTAACACAATGTCTGAAAAATG
ACAAAAA

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- Restriction Sites:** Ascl-NotI
- ACCN:** NM_001083121
- Insert Size:** 1626 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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: [BC062927](#), [AAH62927](#)

RefSeq Size: 3942 bp

RefSeq ORF: 1626 bp

Locus ID: 13800

UniProt ID: [Q03173](#)

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]

Transcript Variant: This variant (4) lacks an alternate in-frame exon in the 5' coding region and uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded protein (isoform 4) is shorter than isoform 1. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.