

## Product datasheet for **SC317978**

### ENAH (NM\_018212) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ENAH (NM_018212) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENAH
Synonyms:	ENA; MENA; NDPP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

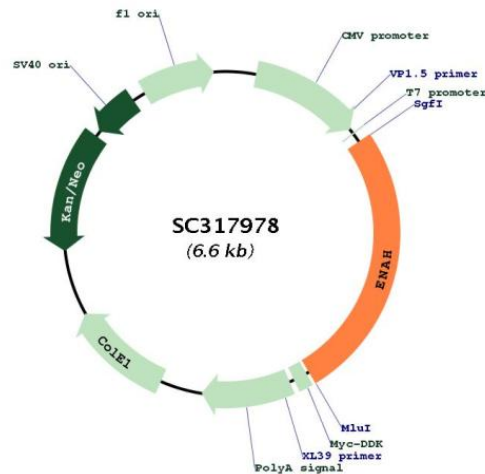


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Fully Sequenced ORF: >SC317978 representing NM\_018212.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTGAACAGAGTATCTGTCAAGCAAGAGCTGCTGTGATGGTTTATGATGATGCCAATAAGAAGTGG
GTGCCAGCTGGTGGCTCAACTGGATTTCAGCAGAGTTTCATATCTATCACCATACAGGCAACAACACATTC
AGAGTGGTGGGCAGGAAGATTTCAGGACCATCAGGTCGTGATAAACTGTGCCATTCCTAAAGGGTTGAAG
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GAGCGAGAAAGAAATGGAAAGAGAAAGTTGGAGAGAGAGAGTTAGAAAGGAAAGGCTGGAGAGGGAG
CGACTGGAACAAGAAGCTGGAGAGAGAGAGACAAGAACGGGAACGGCAGGAACGCCTGGAGCGGCAG
GAACGCCTGGAGCGGCAGGAACGCCTGGAGCGGCAGGAACGCCTGGATCGGGAGAGGCAAGAAAGACAA
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GAACAGCTGGAATGGGAGAGAGAGCGCAGAATATCAAGTGTGCTGCCCTGCCTCTGTTGAGACTCCT
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CCTGCACAGGCTTCAGTAGCCCTCCCTCCTCCCCAGGGCCCCCTCCACCTCCTCCACTCCCATCCACC
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GCCCCACCCCTCCCTGCATCTGGATTCTTTTGGCATCCATGTCAGAAGACAATCGCCCTTAACTGGA
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CCTTTAGGGGTAGTGGTTTAAATGGAAGAAATGAGTGCCCTGCTGGCCAGGAGGAGAAGAAATGCTGAA
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GCCTCTTCAACAAGTACACCTGAACCAACAAGAAAACCTTGGGAAAGAACAATAACAATGAATGGCAGC
AAGTACCTGTTATCTCCAGACCAAAATCCACACCCTTATCACAGCCCAGTGCCAATGGAGTCCAGACG
GAAGGACTTGACTATGACAGGCTGAAGCAGGACATTTTAGATGAAATGAGAAAAGAAATTAACAAAGCTA
AAAGAAGAGCTCATTGATGCAATCAGGCAGGAAGTGAAGTCAAACTGCA TAG
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-Mlul

**Plasmid Map:**


**ACCN:** NM\_018212

**Insert Size:** 1713 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).

**OTI Annotation:** This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

**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\\_018212.4](#)

**RefSeq Size:** 13109 bp

**RefSeq ORF:** 1713 bp

**Locus ID:** 55740

**UniProt ID:** [Q8N8S7](#)

**Cytogenetics:** 1q42.12

**Protein Pathways:** Regulation of actin cytoskeleton

**MW:** 63.9 kDa

**Gene Summary:** This gene encodes a member of the enabled/ vasodilator-stimulated phosphoprotein. Members of this gene family are involved in actin-based motility. This protein is involved in regulating the assembly of actin filaments and modulates cell adhesion and motility. Alternate splice variants of this gene have been correlated with tumor invasiveness in certain tissues and these variants may serve as prognostic markers. A pseudogene of this gene is found on chromosome 3. [provided by RefSeq, Sep 2016]  
Transcript Variant: This variant (2) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a.  
Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.