

Product datasheet for **SC301306**

ENAH (NM_001008493) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ENAH (NM_001008493) Human Untagged Clone
Tag:	Tag Free
Symbol:	ENAH
Synonyms:	ENA; MENA; NDPP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001008493 edited
 ATGAGTGAACAGAGTATCTGTACAGGCAAGAGCTGCTGTGATGGTTTATGATGATGCCAAT
 AAGAAGTGGGTGCCAGCTGGTGGCTCAACTGGATTGAGCAGAGTTCATATCTATCACCAT
 ACAGGCAACAACACATTCAGAGTGGTGGCAGGAAGATTGAGGACCATCAGGTCGTGATA
 AACTGTGCCATTCTAAAGGGTTGAAGTACAATCAAGCTACACAGACCTCCACCAGTGG
 CGAGATGCTAGACAGGTGATGGTCTCAACTTTGGCAGCAAAGAGGATGCCAATGTCTTC
 GCAAGTGCCATGATGCATGCCTTAGAAGTGTAAATTCACAGGAAACAGGGCCAACATTG
 CCTAGACAAAACACAACTACCTGCTCAAGTTCAAATGGCCATCCCAAGAAGAATTG
 GAAATTCAAAGAAGACAACACAAAGAACAGCAACGGCAAAGGAGCTGGAGCGGAAAGG
 CTGGAGCGAGAAAGAATGGAAAGAGAAAGGTTGGAGAGAGAGAGTTAGAAAGGAAAGG
 CTGGAGAGGGAGCGACTGGAACAAGAACAGCTGGAGAGAGAGACAAGAACGGGAAACGG
 CAGGAACGCCCTGGAGCGGCAGGAACGCCTGGAGCGGCAGGAACGCCTGGAGCGGCAGGAA
 CGCCTGGATCGGGAGAGGCAAGAAAGACAAGAACGAGAGAGGCTGGAGAGACTGGAACGG
 GAGAGGCAAGAAAGGGAGCGACAAGAGCAGTTAGAAAGGGAACAGCTGGAATGGGAGAGA
 GAGCGCAGAATATCAAGTCTGCTGCCCTGCCTCTGTTGAGACTCCTCTAAACTCTGTG
 CTGGGAGACTCTTCTGCTTCTGAGCCAGGCTTGCAGGCAGCCTCTCAGCCGGCCGAGACT
 CCATCCCAACAGGGCATTGTCTTGGGACCACTGCACCTCCACCTCCTCCACCCTCCCA
 CCAGGGCCTGCACAGGCTTCAGTAGCCCTCCCTCCTCCCCAGGGCCCCCTCCACCTCCT
 CCACTCCCATCCACCGGGCTCCACCGCCCCCTCCTCCCCCTCCTCTCCCTAATCAAGTA
 CCCCCTCCTCCTCCACCCTCCTGCCCAACCCCTCCCTGCATCTGGATTCTTTTTGGCA
 TCCATGTCAGAAGACAATCGCCCTTAACTGGACTTGCAGCTGCAATTGCCGGAGCAAAA
 CTTAGGAAAGTGTACGGATGGAGGATACCTCTTCCCAAGTGGAGGGAATGCTATTGGT
 GTGAACCTCGCCTCATCTAAAACAGATACAGGCCGTGGAATGGACCCCTTCTTTAGGG
 GGTAAGTGGTTAATGGAAGAAATGAGTGCCTGCTGGCCAGGAGAGAAGAATTGCTGAA
 AAGGGATCAACAATAGAAACAGAACAAAAGAGGACAAAGGTGAAGATTAGAGCCTGTA
 ACTTCTAAGGCCTCTTCAACAAGTACACCTGAACCAATAAGAAAACCTTGGGAAAGAACA
 AATACAATGAATGGCAGCAAGTACCTGTTATCTCCAGACGGGATTCTCAAGGAAAAAT
 CAGATTGTTTTGACAACAGGTCCTATGATTTCATTACACAGACCAAAAATCCACACCCTTA
 TCACAGCCAGTGCCAATGGAGTCCAGACGGAAGGACTTGACTATGACAGGCTGAAGCAG
 GACATTTTAGATGAAATGAGAAAAGAATTAACAAAGCTAAAAGAAGAGCTCATTGATGCA
 ATCAGGCAGGAAGTGGCAAGTCAATACTGCATAG

Restriction Sites: Please inquire

ACCN: NM_001008493

Insert Size: 1800 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_001008493.1](#), [NP_001008493.1](#)

RefSeq Size: 13172 bp

RefSeq ORF: 1776 bp

Locus ID: 55740

UniProt ID: [Q8N8S7](#)

Cytogenetics: 1q42.12

Protein Pathways: Regulation of actin cytoskeleton

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 (1, also known as mena+11a) represents the longer transcript and encodes the longer 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.