

Product datasheet for **SC111342**

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:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_018212, the custom clone sequence may differ by one or more nucleotides

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ATGAGTGAACAGAGTATCTGTCTCAGGCAAGAGCTGTGTGATGGTTTATGATGATGCCAATAAGAAGTGGG
TGCCAGCTGGTGGCTCACTGGATTTCAGCAGAGTTCATATCTATCACCATACAGGCAACAACACATTCAG
AGTGGTGGGCAGGAAGATTTCAGGACCATCAGGTCGTGATAAACTGTGCCATTCTAAAGGGTTGAAGTAC
AATCAAGCTACACAGACCTTCCACCAGTGGCGAGATGCTAGACAGGTGTATGGTCTCAACTTTGGCAGCA
AAGAGGATGCCAATGTCTTCGCAAGTGCCATGATGCATGCCTTAGAAGTGTAAATTCACAGGAAACAGG
GCCAACATTGCCTAGACAAAACACAACCTACCTGCTCAAGTTCAAAATGGCCCATCCCAAGAAGAATTG
GAAATTCAAAGAAGACAACACAAGAACAGCAACGGCAAAGGAGCTGGAGCGGAAAGGCTGGAGCGAG
AAAGAATGAAAGAGAAAGGTTGGAGAGAGAGAGGTTAGAAAGGGAAAGGCTGGAGAGGGAGCGACTGGA
ACAAGAACAGCTGGAGAGAGAGAGACAAGAACGGGAACGGCAGGAACGCCTGGAGCGGCAGGAACGCCTG
GAGCGGCAGGAACGCCTGGAGCGGCAGGAACGCCTGGATCGGGAGAGGCAAGAAAGACAAGAACGAGAGA
GGCTGGAGAGACTGGAACGGGAGAGGCAAGAAAGGGAGCGACAAGAGCAGTTAGAAAGGGAACAGCTGGA
ATGGGAGAGAGAGCGCAGAAATATCAAGTCTGCTGCCCTGCCTCTGTTGAGACTCCTCTAAACTCTGTG
CTGGGAGACTCTTCTGCTTCTGAGCCAGGCTTGCAGGCAGCCTCTCAGCCGGCCGAGACTCCATCCCAAC
AGGGCATTGTCTTGGACCACCTTGCACCTCCACCTCCTCCACCCTCCACCAGGGCCTGCACAGGCTTC
AGTAGCCCTCCCTCCTCCCCAGGGCCCCCTCCACCTCCTCCACTCCCATCCACCGGGCCTCCACCGCCC
CCTCCTCCCCCTCCTCCTCCTAATCAAGTACCCCTCCTCCTCCACCCTCCTGCCCCACCCCTCCTG
CATCTGGATTCTTTTGGCATCCATGTCAGAAGACAATCGCCCTTAACTGGACTGCAGCTGCAATTGC
CGGAGCAAAAACCTAGGAAAGTGTACGGATGGAGGATACCTCTTTCCCAAGTGGAGGGAATGCTATTGGT
GTGAATCCGCCTCATCTAAAACAGATACAGGCGTGGAAATGGACCCCTCCTTTAGGGGGTAGTGGTT
TAATGGAAGAAATGAGTGCCTGCTGGCCAGGAGGAGAAGAATTGCTGAAAAGGGATCAACAATAGAAAC
AGAAACAAAAGAGGACAAAGGTGAAGATTGAGAGCCTGTAACCTTAAGGCCTCTTCAACAAGTACACCT
GAACCAACAAGAAAACCTTGGGAAAGAACAATAAATGAATGGCAGCAAGTACCTGTTATCTCCAGAC
CAAAATCCACACCCTTATCACAGCCAGTGCATGGAGTCCAGACGGAAGGACTTGACTATGACAGGCT
GAAGCAGGACATTTTAGATGAAATGAGAAAAGAATTAACAAGCTAAAAGAAGAGCTCATTGATGCAATC
AGGCAGGAAGTGAAGTCAAACTGTCATAG
    
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_018212 unedited

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TAATACGACTCACTATAGGGCGGCCGGAATTCGGCAGCAGGCAAGTACCCCTCCTCCT
CCACCACCTCCTGCCCAACCCCTCCCTGCATCTGGATTCTTTTGGCATCCATGTCAGAA
GACAATCGCCCTTAACTGGACTGCAGCTGCAATTGCCGGAGCAAACTTAGGAAAGTG
TCACGGATGGAGGATACCTCTTTCCCAAGTGGAGGGAATGCTATTGGTGTGAACCTCGCC
TCATCTAAAACAGATACAGGCCGTGGAAATGGACCCCTCCTTTAGGGGGTAGTGGTTTA
ATGGAAGAAATGAGTGCCTGCTGGCCAGGAGGAGAAGAATTGCTGAAAAGGGATCAACA
ATAGAAAACAGAACAAAAGAGGACAAAGGTGAAGATTGAGAGCCTGTAACCTTCTAAGGCC
TCTTCAACAAGTACACCTGAACCAACAAGAAAACCTTGGGAAAGAACAATAAATGAAT
GGCAGCAAGTACCTGTTATCTCCAGACCAAAATCCACACCCTTATCACAGCCAGTGCC
AATGGAGTCCAGACGGAAGGACTTGACTATGACAGGCTGAAGCAGGACATTTTAGATGAA
ATGAGAAAAGAATTAACAAGCTAAAAGAAGAGCTCATTGATGCAATCAGGCAGGAAGT
AGCAAGTCANATACTGCATAGAGGAACAGACTAAGGAGAGATANGACTNTAATCTGGAGG
AAAATATCTACAAACACAACCTGTTACACAGCANACCCCTACATTATGAGCTGTTAGA
AGAAATGGAGACAACAGAGGAGGAAANACAACCTACTCTGAAGCCTTCAAGAAATGAC
TCTGGNGATAGCTCTTTCCCTCCTCCGGTGGCTGCTTTTNTGGCCTTACACAGATGGNAG
AGATCATTAGAGTTCTGTACAGCTGCAGAAATCTAACCNCTCGGCAGGTCCCCGCATGAAA
ATTTCTATAGATAACCGCAATTTCCATCATGTAATAAAGGAAAGCTAGN
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for NM_018212 unedited ACGGGCCGCAATCTAGTGTGAGTTTTTTTTTTTTTTTTTTTTGTCAGTTTACACATACATC ATGTTAATATTAGACCAAGGCACAAAACGTTTAGTGCATAAACCCAGTTTCTTTTAAAGAT TTAGCATTTTATTTTAGTCTCTTATCTTAGTTGGACCACTTGTACCCAGTACTCTACCT ACTACAGACTATTTAACTTACCCAACAAAATCAAAGAGGTTGCTGACCAGATTTATAGG GGACATAACTGTTTATATTATCAAAGTGTTCATAACCCAAAGTCCATTATTAAGATGA AATGCCTCCTATTTCTTTAGAAAAAATACTTAAAAGCTTGCTGCATCTTTGTGGTTTTA CCTACCACCGCTGGACATGGATTTTCCGGTGAAAAAAAAGTTTCTGGATTATGAAAC CCCATCCCTACAGTTTAATCAAAAAGGAATTTCTCAAAAACAGGAACTTTTTGACAAAA AAAAAAAACCCTCCTCCAATTTTTGGGGGAAAGGCGGAATTTGCGGGTTTTAAAA AACCTTTAAACCTTTTTGGGCGGGTTCCAATTAAGCGGGAGAGGGTTTTTTTA GTTTTTAAATCTTGACTCATTTTTACTTTGGGCCCCCCCCCCCGCTCCACAAGG GGGGCCGGGGTTCCATTCTCAAAAACCTCCACCACGGGGGCTCCCTCTTTTCT TCCCTCTTATAAAAAAGGAGGGTTTCTATTAACACCCGCGGTACACTCCCCAGCGG GGGGCGGGTGTCTTTCTCCCTCCCCCCCCCAATTTTTTTTATTTTAAACAACAC CCCGCTCTCCGCTCTCTATCGACTCCCCCCN
Restriction Sites:	NotI-NotI
ACCN:	NM_018212
Insert Size:	3180 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:	<ol style="list-style-type: none"> 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:	<u>NM_018212.1</u> , <u>NP_060682.1</u>
RefSeq Size:	13109 bp
RefSeq ORF:	570 bp
Locus ID:	55740
UniProt ID:	<u>Q8N8S7</u>
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 (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.