

Product datasheet for SC322593

Ensconsin (MAP7) (NM_003980) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ensconsin (MAP7) (NM_003980) Human Untagged Clone
Tag:	Tag Free
Symbol:	Ensconsin
Synonyms:	E-MAP-115; EMAP115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for SC322593
 GAGCACCATGGCGGAGCTAGGAGCTGGCGGCAGCGCCACAGGGCGGCGACGGCGCAGT
 GCGAAGCGAAACAGCACCCGACAGCTACAAAGTGAAGATAAGAAAAATGCCTCCAGCCG
 CCCTGCCTCTGCAATTTACAGACAAAATAACAACCACTCAGGAAATAAACAGACCTCC
 GCCTGTGTTACGTGTTGATGACCGGCAGCGGCTGGCCCGGAGCGACGTGAGGAACGGGA
 GAAACAGCTAGCTGCAAGAGAAATAGTGTGGTTAGAAAGAGAAGAGCGAGCCAGGCAGCA
 CTACGAGAAGCACCTGGAAGAGCGGAAGAAGAGGTTGGAGGAGCAGAGGCAGAAGGAGGA
 GCGGAGGAGGGCTGCTGTGGAGGAGAAGCGGAGGCAGAGACTTGAGGAGGACAAAGAACG
 CCACGAAGCTGTTGTACGGCGCACAAATGGAAAGGAGCCAGAAGCCAAAACAGAAGCATAA
 CCGTTGGTCGTGGGAGGCTCTCTCCATGGGAGCCCTAGCATCCACAGTGCAGATCCAGA
 CAGGCGGTGAGTTTCCACCATGAATCTTTGAAATATGTTGATCCCGTCATTAGCAAGCG
 GCTCTCCTCTTACTGCAACTTTACTAAATTCTCCAGATAGAGCTCGCCGCCTGCAGCT
 CAGCCCATGGGAGAGCAGCGTTGTTAACAGACTCCTGACGCCACACATTCGTTCCCTGGC
 CAGAAGTAAAAGCACAGCTGCCTTGTCTGGAGAAGCAGCATCTTGAGCCCATCATCAT
 GCCCTACAAAGCTGCACACTCTAGAAATTCGATGGATCGACCAAACTCTTTGTAACACC
 ACCTGAGGGCTCTTCTCGCAGGAGGATCATTATGGCACAGCGAGCTATAAAAAAGAAAG
 AGAGAGAGAAAAATGACTCTTCTCACATCTGGCACCCGAAGGGCTGTATCTCCATCTAA
 TCCCAAAGCAAGACAACAGCTCGCTCCGACTTTGGCTTCCGTCCAAGTCTCTTCTCA
 TTTGCCTGGCACACCCAGACCGACATCCTCCTTGGCACCCGGCTCAGTCAAAGCTGCTCC
 TGCTCAGTCCGCCCCATCCCCGGCAACATCCGCCCTGTCAAGAGGGAAGTCAAAGT
 GGAGCCTGAGAAGAAAGATCCTGAGAAGGAACCTCAGAAAGTTGCCAATGAGCCCTCACT
 AAAGGGCAGAGCACCTTTAGTGAAGGTAGAAGAAGCCACAGTTGAAGAGCGGACACCTGC
 TGAACCAGAAGTTGGCCCTGCTGCTCCAGCCATGGCCCCAGCTCCAGCCTCGGCCCCAGC
 TCCAGCCTCGGCCCCAGCTCCAGCCCCGGTCCCCACCCAGCCATGGTCTCAGCCCCGTC
 ATCCACTGTGAATGCCAGTGCTTCTGTTAAGACTTCTGCAGGCACCACCCAGCCAGAGGA
 GGCCACAAGGCTTCTAGCTGAGAAGAGGCGGCTGGCCCGAGAGCAGAGAGAAAAGGAAGA
 AAGGGAGAGGAGGAGCAGGAAGAGCTTGAAGACAAAAGAGAGAGGAATTGGCTCAACG



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TGTGGCTGAAGAGAGGACGACTCGCCGTGAGGAGGAGTCGCGCAGGCTGGAAGCCGAGCA
 GGCCCGGAGAAGGAGGAGCAGCTGCAGCGCAGGCGGAGGAGCGGGCGCTGCGCGAGTG
 GGAGGAGGCAGAGCGCGCCAGAGGCAGAAAGAAGAAGAGCTCGCGTTCGTGAAGAAGC
 AGAGAGGGTCCGGCAGGAACGAGAGAAGCATTTCAGAGAGAAGAGCAAGAGCGCCTGGA
 GAGAAAGAAGCGACTTGAGGAGATTATGAAAAGAACCAGGAGAACAGAAGCTACAGATAA
 GAAAACCAAGTATCAGAGAAACGGTGATATAGCCAAGGGAGCTCTCACTGGAGGAACAGA
 GGTGTCTGCACCTCCATGTACAACAACGCTCCGGGAAATGAAAGCCAGTTGGTAGCCC
 ACATGTGGTTACCTCACACCAGTCAAAAGTGACAGTGGAGAGCACTCCCGATTTGGAAAA
 ACAACCAATGAAAATGGTGTATCTGTTGAGAATGAAAATTTTGAAGAAATTATAAACTT
 ACCCATGGATCTAAACCATCCAGATTAGATGTCACCAACAGTGAGAGCCCAGAAATTC
 TTTGAATCCAATTTTGGCCTTTGATGATGAAGGGACACTTGGGCCCTGCCTCAGGTAGA
 TGGTGTTCCAGACACAGCAGACTGCAGAAGTTATATGAGTGTCTTCTGAAGAACCAAAG
 CTGAAATTTAATGAGAATTTCTACAATTAATGGAATTCCTTCTGCTATAAAGGAGCAT
 CCCCTCCACCCGTTTTCTAGAGTCTTGACCATCATTTTAAAAAGATTTATTAATACTAG
 CTAAGACAACAGACTGGATAGCTTTTCTAATAATTTTCAATAGGAAAAAGAAATA
 CGTCTCATTCTTCAATACTTTAAAATGGCTTTTTCCAGTGTGCTCCTTCTAGCAATCAA
 TATTTTTCTGCATTCTTTAAAAGACAAGAGAATTTGGTTATAAAAAGAAATGGGCTGACTA
 GGCATGATTTTTTTGGTCTTAAAAGCTTAACATGTAAAATGGCAAAAAAATTTTTTAC
 CTTTTATAACTTGAAGAAATAAGTACCTCTTGTCTACAAGTGAATGAATAGGAGAA
 GAGTTTAAAGCCTGTTTTTTAAAATATTATTGCAAAGAGCTCTATTTGTAGAAGCAAATT
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 CTGTCACATTTTTCTTGAACCTCTTTTGAAGCAGACTAAAATGTTTTAAAATGTGA
 AAAAAACATTAATTTTTTCAAAGCAAGAAAATATATAAAGTTTTTCCAGATAAATAATCAA
 ATAAATTAAGAATAATGTGACAACATTACAATTTAATTTGTTAGCTGCATTCTTCTGAT
 GTTACCACGATAGAATGTTACTGATGATTCAGGGCTATTTCTGAAGTCTGTATGTTGCTG
 CTGTCCCCAGTGATGGTGGACTTATCTTTGCCTTACCTGATCACAAATATGTTGGGGAA
 AATAAAGATTTAATTTCTTTAAATAGAAAAAGAATTTGGTTTTGCTCGTTTAAGAGCA
 ATGAGAAAATGATGGAATGTTGACTGTGTTTGGCACACAGGACACGGACCTTCATGGAAG
 TCCTTGCTCTGCGTGGCATCTGCAGCTTTTACCTTTTATTCTTACTTTTGC
 TGCTGAGCCTAGCTGTACAACTTGCACTTTTATTGCTAATATAAATTCAGTTTTATTT
 TACCATTTTAGAGACTACTAATGATTAATGTAGAAGGAGAGGGTGCACATGTTTTATG
 TGGAGTGTAAAAGATAAATTTATACCACTGTAAATGTGCAGCTTTTATTAAGAGAGAAA
 TTGGTTGAACTGCTAGGTTGAATGAGAGACTTCATCTATTGGACTATTTTTTTAATCCA
 GGCATATGGTCTTTAGTAATGGCTTGAATTTGTGAAAACATTAATTTGGGGGTTTTCCC
 TGTTTTAGTTGTCATGTACACATAGTCATTATATTAGAAAAGAAAGCTGTTCAACAAA
 CTTGTTAATTTGTTAAATCAACATAGCATGAAACACCAATAAAATGTTTGACATAGT
 TTTTAA
 AA

- Restriction Sites:** Please inquire
- ACCN:** NM_003980
- 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:	<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_003980.3</u> , <u>NP_003971.1</u>
RefSeq Size:	4018 bp
RefSeq ORF:	2250 bp
Locus ID:	9053
UniProt ID:	<u>Q14244</u>
Cytogenetics:	6q23.3
Protein Families:	Druggable Genome
Gene Summary:	<p>The product of this gene is a microtubule-associated protein that is predominantly expressed in cells of epithelial origin. Microtubule-associated proteins are thought to be involved in microtubule dynamics, which is essential for cell polarization and differentiation. This protein has been shown to be able to stabilize microtubules, and may serve to modulate microtubule functions. Studies of the related mouse protein also suggested an essential role in microtubule function required for spermatogenesis. Multiple alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2010]</p> <p>Transcript Variant: This variant (4) has an alternate 5' exon, as compared to variant 1. The resulting isoform (3) has a shorter and distinct N-terminus, as compared to isoform 1.</p>