

Product datasheet for **RC234536**

Ensconsin (MAP7) (NM_001198619) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ensconsin (MAP7) (NM_001198619) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ensconsin
Synonyms:	E-MAP-115; EMAP115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC234536 representing NM_001198619
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAAGGAGCCAGAAGCCAAAACAGAAGCATAACCGTTGGTCGTGGGAGGCTCTCTCCATGGGAGCC
 CTAGCATCCACAGTGCAGATCCAGACAGCGGTACGTTTCCACCATGAATCTTTCGAAATATGTTGATCC
 CGTCATTAGCAAGCGGCTCTCCTTTCATCTGCAACTTTACTAAATTCTCCAGATAGAGCTCGCCGCTG
 CAGCTCAGCCATGGGAGAGCAGCGTTGTAAACAGACTCCTGACGCCACACATTCGTTCTGGCCAGAA
 GTAAAAGCACAGCTGCCTTGTCTGGAGAAGCAGCATCTTGACGCCCATCATCATGCCCTACAAAGCTGC
 AACTCTAGAAATTCGATGGATCGACAAAACCTTTGTAAACACCACCTGAGGGCTCTTCTCGCAGGAGG
 ATCATTATGGCACAGCGAGCTATAAAAAAGAAAGAGAGAGAGAAAATGTACTCTTCTCACATCTGGCA
 CCCGAAGGGCTGTATCTCCATCTAATCCCAAAGCAAGACAACCAGCTCGTCCCGACTTTGGCTCCGTC
 CAAGTCTTCTCATTTCCTGGCACACCCAGACCGACATCCTCCTTGCCACCCGGCTCAGTCAAAGCT
 GCTCCTGCTCAGTCCGGCCCCATCCCCCGGCAACATCCGCCCTGTCAAGAGGGAAGTCAAAGTGGAGC
 CTGAGAAGAAAGATCCTGAGAAGGAACCTCAGAAAGTTGCCAATGAGCCCTCACTAAAGGGCAGAGCACC
 TTAGTGAAGGTAGAAGAAGCCACAGTTGAAGAGCGGACACCTGCTGAACCAGAAGTTGGCCCTGCTGCT
 CCAGCCATGGCCCCAGCTCCAGCCTCGGCCCCAGCTCCAGCCTCGGCCCCAGCTCCAGCCCCGGTCCCCA
 CCCAGCCATGGTCTCAGCCCCGTCATCCACTGTGAATGCCAGTGCTTCTGTTAAGACTTCTGCAGGCAC
 CACCGACCCAGAGGAGGCCACAAGGCTTCTAGCTGAGAAGAGCGGCTGGCCGAGAGCAGAGAGAAAAG
 GAAGAAGGGAGAGGAGGAGCAGGAAGAGCTTGAAGACAAAAGAGAGAGGAATTGGCTCAACGTGTGG
 CTGAAGAGAGGACGACTCGCCGTGAGGAGGAGTGCAGCAGGCTGGAAGCCGAGCAGGCCCGGGGAAGGA
 GGAGCAGCTGCAGCGGCAGGCGGAGGAGCGGCGCTGCGCGAGCGGGAGGAGGCAGAGCGCGCCAGAGG
 CAGAAAGAAGAAGACTCGCGTTCGTGAAGAAGCAGAGAGGGTCCGGCAGGAACGAGAGAAGCATTTC
 AGAGAGAAGAGCAAGAGCGCCTGGAGAGAAAGAAGCGACTTGAGGAGATTATGAAAAGAACCAGGAGAAC
 AGAAGCTACAGATAAGAAAACAGTGATCAGAGAAACGGTGATATAGCCAAGGGAGCTCTCACTGGAGGA
 ACAGAGGTGTCTGCACTTCCATGTACAACAACGCTCCGGGAAATGAAAAGCCAGTTGGCAGCCACATG
 TGGTTACCTCACACCAGTCAAAGTGACAGTGGAGAGCACTCCCGATTTGGAAAAACAACCAATGAAAA
 TGGTGTATCTGTTCAAGATGAAAATTTGAAGAAATTATAAACTTACCCATTGGATCTAAACCATCCAGA
 TTAGATGTACCAACAGTGAGAGCCAGAAATTCCTTTGATCCAATTTTGGCCTTTGATGATGAAGGGA
 CACTTGGGCCCTGCCTCAGGTAGATGGTGTTCAGACACAGCAGACTGCAGAAGTTATA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC234536 representing NM_001198619
 Red=Cloning site Green=Tags(s)

MERSQKPKQKHNRSWGGSLHGSPSIHSDPDRRSVSTMNLSKYVDPVISKRLSSSSATLLNSPDRARRL
 QLSPWESSVVRLLTPTHSFLARSKSTAALSGEAASCSPIMPYKAAHSRNSMDRPKLFVTPPEGSSRRR
 I IHGTASYKKERERENVLFLTSGTRRAVSPSNPKARQPARSRLWLPKSLPHLPGTTPRPTSSLPPGSVKA
 APAQVRPPSPGNIRPVKREVKVEPEKKDPEKEPQKVANEPSLKGRAPLVKVEEATVEERTPAEPEVGPAA
 PAMAPAPASAPAPAPAPVPPTAMVSAPSSTVNASASVKTSAGTTDPEEATRLLAEKRRLLAREQREK
 EERERREQEELERQKREELAQRVAEERTTRREESRRLEAEQAREKEEQLRQAERERLAREEEAERAQR
 QKEEEARVREEAERVQEREKHFQREEQERLERKKRLEEIMKRTRRTEATDKKTSQDRNGDIAGKALTGG
 TEVSALPCTTNPAGNPKPVGSPHVVTSHQSKVTVESTPDLEKQPNENGVSQVQNFEEIINLPIGSKPSR
 LDVTNSESPEIPLNPILAFDDEGLGLPLQVDGVQQTAEVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001198619

ORF Size: 1809 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001198619.1](#), [NP_001185548.1](#)

RefSeq Size: 4248 bp

RefSeq ORF: 1812 bp

Locus ID: 9053

UniProt ID: [Q14244](#)

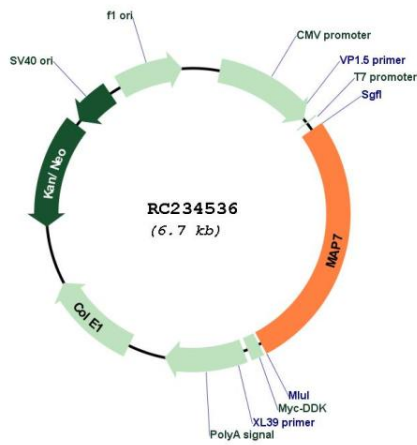
Cytogenetics: 6q23.3

Protein Families: Druggable Genome

MW: 67.4 kDa

Gene Summary: 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]

Product images:



Circular map for RC234536