

## Product datasheet for **SC331208**

### Enconsin (MAP7) (NM\_001198615) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Enconsin (MAP7) (NM_001198615) Human Untagged Clone
Tag:	Tag Free
Symbol:	Enconsin
Synonyms:	E-MAP-115; EMAP115
Vector:	pCMV6-Entry (PS100001)



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**Fully Sequenced ORF:** >SC331208 representing NM\_001198615.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGAAGACACTAAACTGTA CTCA CCCCAGAGCTACAAAGTGAAGATAAGAAAAATGCCTCCAGCCGC
CCTGCCTCTGCAATTTTCAGGACAAAATAACAACCACTCAGGAAATAAACCAGACCCTCCGCCTGTGTTA
CGTGTGGATGACCGGCAGCGGCTGGCCCCGGAGCGACGTGAGGAACGGGAGAAACAGCTAGCTGCAAGA
GAAATAGTGTGGTTAGAAAGAGAAGAGCGAGCCAGGCAGCACTACGAGAAGCACCTGGAAGAGCGGAAG
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GCGAGCTATAAAAAAGAAAGAGAGAGAGAAAATGTA CTCTTCTCACATCTGGCACCCGAAGGGCTGTA
TCTCCATCTAATCCCAAAGCAAGACAACCAAGCTCGCTCCCGACTTTGGCTTCCGTCCAAGTCTTCTCT
CATTTGCCTGGCACACCCAGACCAGATCCTCCTTGCCACCCGGCTCAGTCAAAGCTGCTCCTGCTCAG
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AATGGTGTATCTGTTTCAAGTAAAATTTGAAGAAATTATAAACTTACCATTGGATCTAAACCATCC
AGATTAGATGTCACCAACAGTGAGAGCCAGAAATTCCTTTGAATCCAATTTTGGCCTTTGATGATGAA
GGGACACTTGGGCCCTGCCTCAGGTAGATGGTGTTCAGACACAGCAGACTGCAGAAGTTATATGA
  
```

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_001198615

**Insert Size:** 2205 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:**

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\\_001198615.1](#)

**RefSeq Size:** 4245 bp

**RefSeq ORF:** 2205 bp

**Locus ID:** 9053

**UniProt ID:** [Q14244](#)

**Cytogenetics:** 6q23.3

**Protein Families:** Druggable Genome

**MW:** 82.9 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]

Transcript Variant: This variant (6) has an alternate 5' exon, as compared to variant 1. The resulting isoform (5) has a shorter and distinct N-terminus, as compared to isoform 1.