

Product datasheet for **RC234794**

Enconsin (MAP7) (NM_001198615) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Enconsin (MAP7) (NM_001198615) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Enconsin
Synonyms:	E-MAP-115; EMAP115
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RC234794 representing NM_001198615
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAAGACACTAAACTGTACTCACCCGACAGCTACAAAGTGCAAGATAAGAAAAATGCCTCCAGCCGCC
 CTGCCTCTGCAATTTTCAGGACAAAATAACAACCACTCAGGAAATAAACCCAGACCCTCCGCCTGTGTTACG
 GTTTGATGACCGGCAGCGGCTGGCCCGGAGCGACGTGAGGAACGGGAGAAAACAGCTAGCTGCAAGAGAA
 ATAGTGTGGTTAGAAAGAGAAGAGCGAGCCAGGCAGCACTACGAGAAGCACCTGGAAGAGCGGAAGAAGA
 GGTTGGAGGAGCAGAGGCAGAAGGAGGAGCGGAGGAGGGCTGCTGTGGAGGAGAAGCGGAGGCAGAGACT
 TGAGGAGGACAAAGAACGCCACGAAGCTGTTGTACGGCGACAATGGAAGGAGCCAGAAGCCAAAAACAG
 AAGCATAACCGTTGGTCGTGGGAGGCTCTCTCCATGGGAGCCCTAGCATCCACAGTGCAGATCCAGACA
 GCGCGTCAGTTTCCACCATGAATCTTTGAAATATGTTGATCCCCTCATTAGCAAGCGGCTCTCCTCTTC
 ATCTGCAACTTTACTAAATCTCCAGATAGAGCTCGCCGCTGCAGCTCAGCCCATGGGAGAGCAGCGTT
 GTTAACAGACTCCTGACGCCACACATTCGTTCCCTGGCCAGAAGTAAAAGCACAGCTGCCTTGTCTGGAG
 AAGCAGCATCTTGACGCCCATCATATGCCCTACAAAGCTGCACACTCTAGAAATTCGATGGATCGACC
 AAAACTCTTTGTAACACCACCTGAGGGCTCTTCTCGCAGGAGGATCATTATGGCACAGCGAGCTATAAA
 AAAGAAAGAGAGAGAGAAAATGTACTTCTCCTCACATCTGGCACCCGAAGGGCTGTATCTCCATCTAATC
 CCAAAGCAAGACAACAGCTCGTCCCAGCTTTGGCTTCCGTCCAAGTCTTCTCCTATTGCTGGCAC
 ACCCAGACCGACATCCTCCTTGCCACCCGGCTCAGTCAAAGTGTCTGCTCAGGTCGGCCCCCATCC
 CCCGGCAACATCCGCCCTGTCAAGAGGGAAGTCAAAGTGGAGCCTGAGAAGAAAGATCCTGAGAAGGAAC
 CTGAGAAGTTGCCAATGAGCCTCACTAAAGGGCAGAGCACCTTATGTAAGGTAGAAGAAAGCCACAGT
 TGAAGAGCGGACACCTGCTGAACCAAGAAGTTGGCCCTGCTGCTCCAGCCATGGCCCCAGCTCCAGCCTCG
 GCCCAGCTCCAGCCTCGGCCCCAGCTCCAGCCCCGCTCCACCCAGCCATGGTCTCAGCCCCGTCAT
 CCACTGTGAATGCCAGTGCTTCTGTTAAGACTTCTGCAGGCACCACCGACCCAGAGGAGGCCACAAGGCT
 TCTAGCTGAGAAGAGGCGGCTGGCCCGAGAGCAGAGAGAAAAGGAAGAAAGGGAGAGGAGGGAGCAGGAA
 GAGCTTGAAGACAAAAGAGAGAGGAATTGGCTCAACGTGTGGCTGAAGAGAGGACGACTCGCCGTGAGG
 AGGAGTCGCGCAGGCTGGAAGCCGAGCAGGCCCGGAGAAAGGAGGAGCAGCTGCAGCGGCAGGCGGAGGA
 GCGGGCGCTGCGCAGCGGGAGGAGGCAGAGCGGCCAGAGGCAGAAAGAAGAAGCTCGCGTTCGT
 GAAGAAGCAGAGAGGGTCCGGCAGGAACGAGAGAAGCATTTCAGAGAGAAGAGCAAGAGCGCCTGGAGA
 GAAAGAAGCGACTTGAGGAGATTATGAAAAGAACCAGGAGAACAGAAGCTACAGATAAGAAAACAGTGA
 TCAGAGAAAACGGTGATATAGCCAAGGGAGCTCTCACTGGAGGAACAGAGGTGTCTGCACTTCCATGTACA
 ACAAACGCTCCGGGAAATGGAAGCCAGTTGGCAGCCACATGTGGTTACCTCACACCAGTCAAAAGTGA
 CAGTGGAGAGCACTCCCGATTTGGAAAAACAACCAATGAAAAATGGTGTATCTGTTTCCAGAAATGAAAAATTT
 TGAAGAAATTATAAACTTACCCATTGGATCTAAACCATCCAGATTAGATGTCACCAACAGTGAGAGCCCA
 GAAATTCCTTTGAATCCAATTTTGGCCTTTGATGATGAAGGGACACTTGGGCCCTGCCTCAGGTAGATG
 GTGTTCCAGACACAGCAGACTGCAGAAGTTATA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC234794 representing NM_001198615
Red=Cloning site Green=Tags(s)

MEDTKLYSPDSYKVQDKKNASSRPASAI SGQNNNHSGNKPDP PPPVLRVDDRQRLARERREEREKQLAARE
 IVWLEREERARQHYEKHLLEERKKRLEEQRQKEERRRAAVEEKRRQRL EEDKERHEAVVRRTMERSQKPKQ
 KHNRSWGGSLHGSPSIHSADPDRRSVSTMNLSKYVDPVISKRLSSSSATLLNSPDRARLQLSPWESSV
 VNRLLTPTHSFLARSKSTAALSGEAASCSP IIMPYKAAHSRNSMDRPKLFVTPPEGSSRRRIIHGTASYK
 KERERENVLFLTSGTRRAVSPSNPKARQPARSRLWLPKSLPHLPGTPRPTSSLPPGSVKAAPAQVRPPS
 PGNIRPVKREVKVEPEKKDPEKEPQKVANEPSLKGRAPLVKVEEATVEERTPAEPEVGPAAAPAMAPAS
 APAPASAPAPVPPTAMVSAPSSTVNASASVKT SAGTTDPEEATRLAEKRRLAREQREKEERERREQE
 ELERQKREELAQRVAEERTTTRREEESRRLEAEQAREKEEQ LQRQAERALREEEAERAQRQKEEEARVR
 EEAERVQREREKHFQREEQERLERKKRLEEIMKRTRRTEATDKKTS DQRNGDIAKGAL TGGTEVSALPCT
 TNAPGNGKPVGSPHVVTSHQSKVTVESTPDLEKQPNENGVS VQNFEEIINLPIGSKPSRLDVTNSESP
 EIPLNPILAFDDEGLGPLPQVDGVQTQQTAEVI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001198615

ORF Size: 2202 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_001198615.1](#), [NP_001185544.1](#)

RefSeq Size: 4245 bp

RefSeq ORF: 2205 bp

Locus ID: 9053

UniProt ID: [Q14244](#)

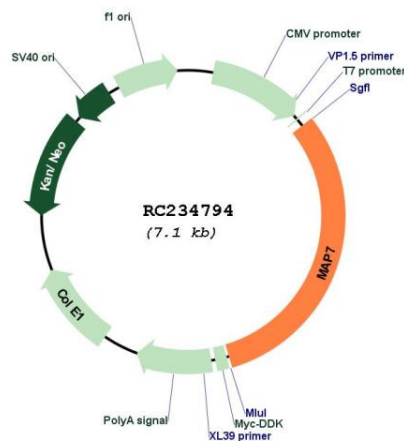
Cytogenetics: 6q23.3

Protein Families: Druggable Genome

MW: 83.3 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 RC234794