

Product datasheet for MR226099

Etnk1 (NM_029250) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etnk1 (NM_029250) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etnk1
Synonyms:	1110061E11Rik; 4930555L11Rik; AI195356; AI841245; C80956; D6ErtD3e; EK11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226099 representing NM_029250 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAATTACATCCACGTCCCGCCGGCTCGCCCGAGGTGCCGAAGCTCGACGTGACGGTGCAGGACC
AGGAGGAGCAGCGCTGCCGCGACGGCGCCCTGAGCCTGCTGCGGCACCTGCGGCCGCACTGGGACCCCG
GGAGGTGACCTGCAGCTGTTACAGATGGGATCACAACAAGCTCATCGCCTGCTATGTGGGTGACACC
ATGGAAGATGTAGTTCTGGTGAAGATTTACGGCAACAAGACTGAACTGTTAGTCGACCGAGACGAGGAAG
TGAAAAGTTTCCGCGTGTGCAGGCTCAGGCTGTGCACCTCAGCTCTACTGCACCTTTAATAACGGACT
GTGCTATGAGTTTATCCAGGGCGAAGCTTTGGACCCGACGATGTCTGCAACCCAGCCATTTTCAGGCTA
ATAGCTCGTCAGCTTGTCTAAAATCCATGCTATTCATGCGCACAATGGCTGGATCCCCAAATCTAACCTAT
GGCTAAAGATGGGAAAATATTTCTCTCATTCCACCCGATTTGCTGATGAAAACATTAATAAAAGGTT
CCTGAGTGAGATCCCAAGCCCGCAGCTTCTGCAGGAGGAGATGACTTGGATGAAAGAGCTGCTTTCAAGC
CTGGGCTCACCTGTGGTCTTTGCCATAACGACCTGTTGTGTAAGAATAAATCTACAACGAGAAACAAG
GTGACGTACAGTTCATTGATTATGAGTATTCTGGATACTACTGGCAGTATGATATTGAAAATCATT
CAATGAATTTGCAGGTGCAGCGATGTAGACTATAGTCTCTATCCAGATCGAGAGCTCCAGGGCCAGTGG
CTGCGCTCTTACCTTGAAGCTTACAAGGAGTATAAGGGCTTTGGCAGTGATGTCAGTGAAGGAAGTGG
AGACTCTTTCAATCAAGTCAATCAGTTTGCCTTGGCTTCTCATTCTTTTGGGGACTCTGGGCTTTGAT
ACAAGCTAAGTACTCCACGATCGAGTTCGACTTCTTGGGTATGCGGTTGTCGGTTTTAACCACTACTTT
AAAATGAAGCCTGAGGTCACAGCACTAAAAATGCCCGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226099 representing NM_029250
Red=Cloning site Green=Tags(s)

MANYIHVPPGSPEVPKLDVTVQDQEEQRCDGALSLLRHLRPHWDPREVTLQLFTDGITNKLIACYVGD
 MEDVVLVRIYGNKTELLVDRDEEVKSFRVLQAHGCAQLYCTFNNGLCYEFIQGEALDPQHVCNPAIFRL
 IARQLAKIHAHNGWIPKSNLWLMGKYFSLIPTGFADENINKRFLSEIPSPQLLQEEMTWMKELLSS
 LGSPVVLCHNDLLCKNIIYNEKQGDVQFIDYEYSGYNYLAYDIGNHFNEFAGVSDVDYSLYPDRELQGW
 LRSYLEAYKEYKGFSDVTEKEVETLFIQVNFALASHFFWGLWALIQAKYSTIEFDLGYAVVRFNQYF
 KMKPEVTALKMPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9019_e09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

ACCN: NM_029250

ORF Size: 1089 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_029250.2](#), [NP_083526.2](#)

RefSeq Size: 6447 bp

RefSeq ORF: 1092 bp

Locus ID: 75320

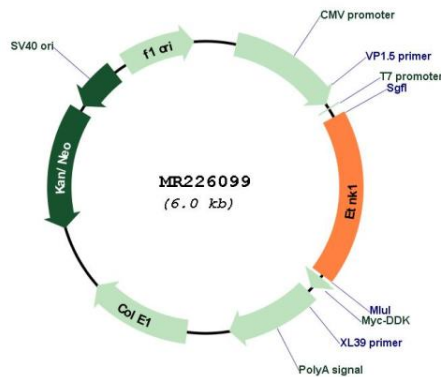
UniProt ID: [Q9D4V0](#)

Cytogenetics: 6 75.41 cM

MW: 42.4 kDa

Gene Summary: Highly specific for ethanolamine phosphorylation. May be a rate-controlling step in phosphatidylathanolamine biosynthesis (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR226099