

Product datasheet for **MG226099**

Etnk1 (NM_029250) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Etnk1 (NM_029250) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Etnk1 |
| Synonyms: | 1110061E11Rik; 4930555L11Rik; AI195356; AI841245; C80956; D6ErtD3e; EK11 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG226099 representing NM_029250 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCAATTACATCCACGTCCCGCCGGCTCGCCCGAGGTGCCGAAGCTCGACGTGACGGTGCAGGACC
AGGAGGAGCAGCGCTGCCGCGACGGCGCCCTGAGCCTGCTGCGGCACCTGCGGCCGCACTGGGACCCCG
GGAGGTGACCCTGCAGCTGTTACAGATGGGATCACAACAAGCTCATCGCCTGCTATGTGGGTGACACC
ATGGAAGATGTAGTTCTGGTGAAGATTTACGGCAACAAGACTGAACTGTTAGTCGACCGAGACGAGGAAG
TGAAAAGTTTCCGCGTGTGCAGGCTCAGGCTGTGCACCTCAGCTCTACTGCACCTTTAATAACGGACT
GTGCTATGAGTTTATCCAGGGCGAAGCTTTGGACCCGACGATGTCTGCAACCCAGCCATTTTCAGGCTA
ATAGCTCGTCAGCTTGTCTAAAATCCATGCTATTTCATGCGCACAATGGCTGGATCCCCAAATCTAACCTAT
GGCTAAAGATGGGAAAATATTTCTCTCTCATTCCACCCGATTTGCTGATGAAAACATTAATAAAAGGTT
CCTGAGTGAGATCCCAAGCCCGCAGCTTCTGCAGGAGGAGATGACTTGGATGAAAGAGCTGCTTTCAAGC
CTGGGCTCACCTGTGGTCTTTGCCATAACGACCTGTTGTGTAAGAATAAATCTACAACGAGAAACAAG
GTGACGTACAGTTCATTGATTATGAGTATTCTGGATACTACTGACATATGATTTGAAATCATT
CAATGAATTTGCAGGTGCAGCGATGTAGACTATAGTCTCTATCCAGATCGAGAGCTCCAGGGCCAGTGG
CTGCGCTCTTACCTTGAAGCTTACAAGGAGTATAAGGGCTTTGGCAGTGATGTCAGTGAAGGAAGTCCG
AGACTCTTTCATTCAAGTCAATCAGTTTGCCTTGGCTTCTCATTCTTTTGGGGACTCTGGGCTTTGAT
ACAAGCTAAGTACTCCACGATCGAGTTCGACTTCTTGGGTATGCGGTTGTCGGTTTTAACCACTACTTT
AAAATGAAGCCTGAGGTCACAGCACTAAAAATGCCCGAG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG226099 representing NM_029250
 Red=Cloning site Green=Tags(s)

MANYIHVPPGSPEVPKLDVTVQDQEEQRCRDGALSLRHLRPHWDPREVTQLFDTGITNKLIACYVGD
 MEDVVLVRIYGNKTELLVDRDEEVKSFVRLQAHGCAQLYCTFNNGLCYEFIQGEALDPQHVCNPAIFRL
 IARQLAKIHAIHAHNGWIPKSNLWLMGKYFSLIPTGFADENINKRFLSEIPSPQLLQEEMTWKELLSS
 LGSPVVLCHNDLLCKNIIYNEKQGDVQFIDYEYSGYNYLAYDIGNHFNFAAGVSDVDYSLYPDRELQGW
 LRSYLEAYKEYKGFSGDVTEKEVETLFIQVNFALASHFFWGLWALIQAQYSTIEFDLGYAVVRFNQYF
 KMKPEVTALKMPE

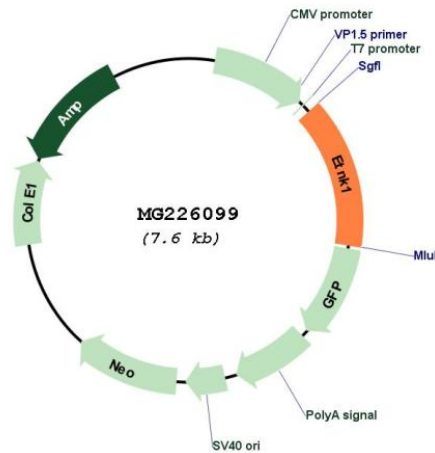
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



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