

## Product datasheet for **MG222795**

### Etnk2 (NM\_175443) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Etnk2 (NM\_175443) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Etnk2  
**Synonyms:** 4933417N20Rik; AI197444; EKI 2; Eki2; Tuc1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG222795 representing NM\_175443  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCTGTGCCCCCTTCAGCTCCAGTGCCGTGCTCGCCCTTTACCTGCGGAGGCAGGAGCCTTGCCCGC  
 AGTGCTCATGGAGCATGGAGGAGAAGGCCGTGGCCAGCGCCGGCTGTGGGAGCCTCCAGGGCCCCGAG  
 GGCCGCCGTCCCATGCTTCAGCGTCACGGTGGAAACAGGACGACATCCTCCCGGTGCCCTGCGCCTCATT  
 CGGGAGCTGCGGCCGACTGGAAGCCGAACAAGTTCGGACCAAGCGCTCAAAGACGGCATCACCAACA  
 AGCTATTGGCCTGCTATGTGGAGGAGACATGCGGGACTGCGTGTGGTCCGGGTGTATGGGAGCGCAC  
 GGAGTTGCTGGTGGACCGGGAATGAGGTCAGAACTTCCAACCTGCTGCGAGCACACGGCTGCGCCCC  
 AAACCTACTGTACCTTTCAGAACGGGCTGTGCTACGAGTATGTGCAGGGTGTGGCCCTGGGACCTGAAC  
 ACATCCGAGAGCCCCAGCTCTTCAGGTTGATCGCCTTAGAAATGGCTAAGATTACACCATCCACGCCAA  
 TGGCAGCCTGCCTAAGCCACGCTCTGGCATAAGATGCATCGTTATTTACGCTGGTCAAGGATGAGATC  
 AGTCCCAGCCTTTCTGCAGATGTCCCAAAGTGGAGGTGTTGGAACAGGAGCTGGCCTGGTTGAAGGAAC  
 ACCTGTCCCAGTTGGATTCCCCTGTGGTGTCTGTGCAATGATCTACTCTGCAAGAATATCATCTATGA  
 CAGTGACAAAGGCCGCGTGTGCTTTATTGACTATGAATATGCAGGGTACAACCTACCAGGCATTTGACATT  
 GGCAACCATTTCAATGAGTTTGCAGGTGTAATGTGGTTGATTACAGCCGGTATCCAGCTCGGGAGACCC  
 AGGTGCAGTGGCTGCTTATTATCTTGAGCGCAGAAGGGGACAGCTGCATCCCCAGGGAGGTGGAGCG  
 GCTTTATGCACAAGTCAACAAATTCGCTCTGGCATCTCATTCTTCTGGGCACTCTGGGCACTCATACAG  
 AACAGTATTCTACCATCAGCTTTGACTTCTCAGGTATGCGGTGATCCGATTCAACCACTACTTTAAGG  
 TGAAACCTCAGGTGTCGGCCTTGAGATGCCAAAA

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG222795 representing NM\_175443  
 Red=Cloning site Green=Tags(s)

MAVPPSAPVPCSPFYLRQEPQPQCSWSMEEKAVASAGCWEPGPPRAAVPCF SVTVEQDDILPGALRLI  
 RELRPHWKPEQVRTKRFKDGITNKL LACYVEEDMRDCVLRVYGERTELLVDRENEVRNFQLLRAHGCAP  
 KLYCTFQNLCEYVQGVALGPEHIREPQLFRLIALEMAKIHTIHANGSLPKPTLWHKMHRFYTLVKDEI  
 SPSLSADVPKVEVLEQELAWLKEHLSQLDSPVVFCHNDLLCKNIYDSKGRVCFIDYEYAGYNYQAFDI  
 GNHFNEFAGVNVVDYSRYPAETQVQWLRYYLEAQKGTAA SPREVERLYAQVNKFALASHFFWALWALIQ  
 NQYSTISFDFLRYAVIRFNQYFKVKPQVSALEMPK

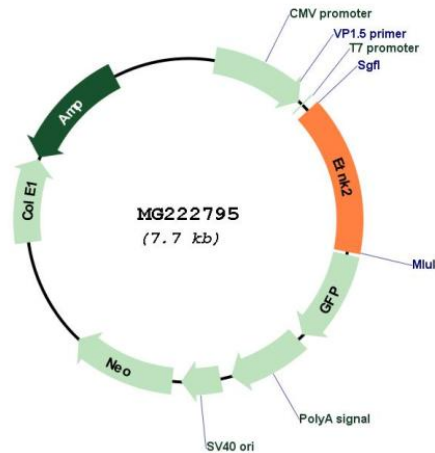
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_175443

<b>ORF Size:</b>	1155 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_175443.5</a> , <a href="#">NP_780652.2</a>
<b>RefSeq Size:</b>	2280 bp
<b>RefSeq ORF:</b>	1158 bp
<b>Locus ID:</b>	214253
<b>UniProt ID:</b>	<a href="#">A7MCT6</a>
<b>Cytogenetics:</b>	1 E4
<b>Gene Summary:</b>	Highly specific for ethanolamine phosphorylation. Does not have choline kinase activity. [UniProtKB/Swiss-Prot Function]