

## Product datasheet for MR222795

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

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Etnk2 (NM_175443) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etnk2
Synonyms:	4933417N20Rik; AI197444; EKI 2; Eki2; Tuc1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222795 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTGTGCCCCCTTCAGCTCCAGTGCCGTGCTCGCCCTTTTACCTGCGGAGGCAGGAGCCTTGCCCGC  
AGTGCTCATGGAGCATGGAGGAGAAGGCCGTGGCCAGCGCCGGCTGTGGGAGCCTCCAGGGCCCCGAG  
GGCCGCCGTCCCATGCTTCAGCGTCACGGTGGAACAGGACGACATCCTCCCGGTGCCCTGCGCCTCATT  
CGGGAGCTGCGGCCGACTGGAAGCCGAACAAGTTCGGACCAAGCGCTCAAAGACGGCATCACCAACA  
AGCTATTGGCCTGCTATGTGGAGGAGACATGCGGGACTGCGTGTGGTCCGGGTGTATGGGAGCGCAC  
GGAGTTGCTGGTGGACCGGAGAATGAGGTCAGAACTTCCAACCTGCTGCGAGCACACGGCTGCGCCCC  
AACTCTACTGTACCTTTCAGAACGGGCTGTGCTACGAGTATGTGCAGGGTGTGGCCCTGGGACCTGAAC  
ACATCCGAGAGCCCCAGCTCTTCAGGTTGATCGCCTTAGAAATGGCTAAGATTACACCATCCACGCCAA  
TGGCAGCTGCCTAAGCCACGCTCTGGCATAAGATGCATCGTTATTTACGCTGGTCAAGGATGAGATC  
AGTCCCAGCCTTTCTGCAGATGTCCCAAAGTGGAGGTGTTGGAACAGGAGCTGGCCTGGTTGAAGGAAC  
ACCTGTCCCAGTTGGATTCCCCTGTGGTGTCTGTCAATGATCTACTCTGCAAGAATATCATCTATGA  
CAGTGACAAAGGCCGCGTGTGCTTTATTGACTATGAATATGCAGGTACAACCTACCAGGCATTTGACATT  
GGCAACCATTTCAATGAGTTTGCAGGTGTAATGTGGTTGATTACAGCCGGTATCCAGCTCGGGAGACCC  
AGGTGCAGTGGCTGCGTTATTATCTTGAGGCGCAGAAGGGGACAGCTGCATCCCCAGGGAGGTGGAGCG  
GCTTTATGCACAAGTCAACAAATTCGCTCTGGCATCTCATTCTTCTGGGCACTCTGGGCACTCATACAG  
AACCAGTATTCTACCATCAGCTTTGACTTCTCAGGTATGCGGTGATCCGATTCAACCAGTACTTTAAGG  
TGAAACCTCAGGTGTCGGCCTTGGAGATGCCAAAA

**ACCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222795 protein sequence  
 Red=Cloning site Green=Tags(s)

MAVPPSAPVPCSPFYLRQEPQPQCSWSMEEKAVASAGCWEPGPPRAAVPCF SVTVEQDDILPGALRLI  
 RELRPHWKPEQVRTKRFKDGITNKL LACYVEEDMRDCVLRVYGERTELLVDRENEVRNFQLLRAHGCAP  
 KLYCTFQNGLCYEYVQGVALGPEHIREPQLFRLIALEMAKIHTIHANGSLPKPTLWHKMHRFYTLVKDEI  
 SPSLSADVPKVEVLEQELAWLKEHLSQLDSPVVFCHNDLLCKNIIYSDKGRVCFIDYEYAGYNYQAFDI  
 GNHFNEFAGVNVVDYSRYPARETQVQWLRYYLEAQKGTAA SPREVERLYAQVNKFALASHFFWALWALIQ  
 NQYSTISFDFLRYAVIRFNQYFKVKPQVSALEMPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_175443

**ORF Size:** 1158 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\\_175443.5](#), [NP\\_780652.2](#)

**RefSeq Size:** 2280 bp

**RefSeq ORF:** 1158 bp

**Locus ID:** 214253

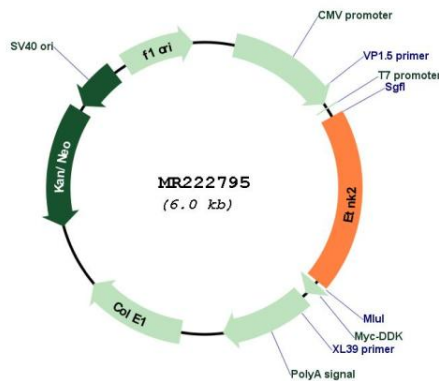
**UniProt ID:** [A7MCT6](#)

**Cytogenetics:** 1 E4

**MW:** 44.6 kDa

**Gene Summary:** Highly specific for ethanolamine phosphorylation. Does not have choline kinase activity. [UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR222795