

## Product datasheet for **RR207577**

### Etnk2 (NM\_001108343) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Etnk2 (NM\_001108343) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Etnk2  
**Synonyms:** EKI 2  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207577 representing NM\_001108343  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAGGAGAAGGCGGTGGCCAGCGCCAGTTGCTGGGAGCCTCCAGGCCCCCGAGGGCCCGTCCCGT  
GCTTCGCCATCGCAGTGGACCAGGACGACATCCTCCCGGTGCTCTGCGCCTTATCCGGGAGCTGCGGCC  
GCACTGGAAGCCGAACAAGTTCGACCAAGCGTTTCAAAGATGGCATCACCAACAAGCTATTGGCCTGC  
TATGTGGAGGAAGACATGCGGGACTGCGTGTGGTCCGGGTGTACGGGGAGTGGACAGAGTTGCTGGTGG  
ACCGGGAGAATGAGATCAGAAACTTCCAAGTCTGCGAGCGCACGGCTGCGCCCCAAACTCTACTGTAC  
CTTTCAGAACGGGCTATGCTACGAGTACATGCAGGGTGTGGCCCTGGGACCAGAGCATATCCGAGAGCCC  
CAGCTCTTCAGTCCCCTCCTCGTTCCTGCTAGGTCCCTGCAGAGGAGAGGGACAGAGACCTGGGAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207577 representing NM\_001108343  
Red=Cloning site Green=Tags(s)

MEEKAVASASCWEPPGPPRAAVPCFAIIVDQDDILPGALRLIRELRPHWKPEQVTRKRFKDGITNKLLAC  
YVEEDMRDCVLVRVYGEWTELLVDRENEIRNFQLLRAHGCAPKLYCTFQNGLCYCYMQGVALGPEHIREP  
QLFRSPPRVPARSLQRRGTETWE

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

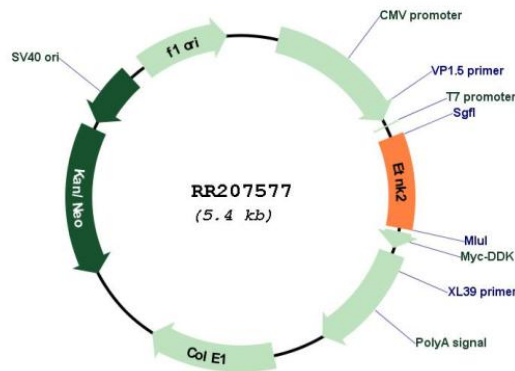


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Cloning Scheme:



Plasmid Map:



ACCN: NM\_001108343

ORF Size: 489 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.

<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>	<u>NM_001108343.1, NP_001101813.1</u>
<b>RefSeq Size:</b>	844 bp
<b>RefSeq ORF:</b>	492 bp
<b>Locus ID:</b>	360843
<b>UniProt ID:</b>	<u>D3ZRW8</u>
<b>Cytogenetics:</b>	13q13
<b>MW:</b>	18.8 kDa
<b>Gene Summary:</b>	Highly specific for ethanolamine phosphorylation. Does not have choline kinase activity. [UniProtKB/Swiss-Prot Function]