

## Product datasheet for **RG237613**

### ETNK2 (NM\_001297762) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ETNK2 (NM_001297762) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETNK2
Synonyms:	EKI2; HMFT1716
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237613 representing NM_001297762. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTGTGCCCCCTTCGGCCCCCTCAGCCGCGCGCTCCTTTACCTGAGGAGGCACACGCCTTGCCCCG
CAGTGCTCATGGGGCATGGAGGAGAAGGCGGGCCAGCGCCAGCTGCCGGGAGCCGCGGGCCCCCG
AGGGCCGCGCCGTCGCGTACTTCGGCATTTCGTTGGACCCGGACGACATCCTTCCCGGGCCCTGCGC
CTCATCCAGGAGCTGCGGCCGATTGAAACCCGAGCAAGTTCGGACCAAGCGCTTCACGGATGGCATC
ACCAACAAGCTGGTGGCCTGCTATGTGGAGGAGGACATGCAGGACTGCGTGTGGTCCGGTGTATGGG
GAGCGGACGGAGCTGCTGGTGGACCGGGAATGAGGTGAGAACTTCCAGCTGCTGCGAGCACACAGC
TGTGCCCCAAACTCTACTGCACCTCCAGAATGGGCTGTGCTATGAGTACATGCAGGGTGTGGCCCTG
GAGCCTGAGCACATCCGTGAGCCCCGGCTTTTCAGCCTTCTGCAGATGTCCCTAAGGTAGAGGTGTTG
GAACGGGAGCTGGCCTGGCTGAAGGAGCATCTGTCCCAGCTGGAGTCCCCTGTGGTGTGTTTGTACAAT
GACCTGCTCTGAAGAATATCATCTATGACAGCATCAAAGGTCACGTGCGGTTTCATTGACTATGAATAT
GCTGGCTACAACCTACCAAGCTTTTGACATTGGCAACCATTTCAATGAGTTTGAGGCGTGAATGAGGTG
GATTACTGCCTGTACCCGGCGGGGAGACCCAGCTGCAGTGGCTGCACTACTACCTGCAGGCACAAAAG
GGGATGGCCGTGACCCCCAGGGAGGTGCAAAGGCTCTACGTGCAAGTCAACAAGTTTGCCTGGCGTCT
CACTTCTTGGGCTCTCTGGCCCTCATCCAGAACCAGTACTCCACCATCGACTTTGATTTCCCTCAGG
TACGCAGTGATCCGATTCAACCAGTACTTCAAGGTGAAGCTCAAGCGTCAAGCCTTGGAGATGCCAAAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237613  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAVPPSAPQPRAFHLRRHTPCPQCSWGMEEKAAASASCREPPGPPRAAAVAYFGISVDPDDILPGALR  
 LIQELRPHWKPEQVRTKRF TDGI TNKL VACYVEEDMQDCVLRVYGERTELLVDRENEVRNFQLLRAHS  
 CAPKLYCTFQNGLCYEYMQGVALEPEHIREPRLFSL SADVPKVEVLERELAWLKEHLSQLESPVVFCHN  
 DLLCKNIIYDSIKGHVRFIDYEYAGYNYQAFDIGNHFNEFAGVNEVDYCLYPARETQLQWLHYLQAOK  
 GMAVTPREVQRLYVQVNFALASHFFWALWALIQNQYSTIDDFLRYAVIRFNQYFKVKPQASALEMPK  
**TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMKSTKGALTFSPYLLSHV**  
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001297762

**ORF Size:** 1035 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).

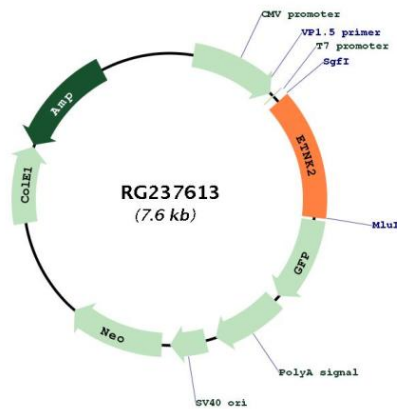
**RefSeq:** [NM\\_001297762.2](#)

**RefSeq Size:** 2515 bp

**RefSeq ORF:** 1038 bp

**Locus ID:** 55224  
**UniProt ID:** [Q9NVF9](#)  
**Cytogenetics:** 1q32.1  
**Protein Families:** Druggable Genome  
**Protein Pathways:** Glycerophospholipid metabolism, Metabolic pathways  
**MW:** 40.5 kDa  
**Gene Summary:** The protein encoded by this gene is a member of choline/ethanolamine kinase family which catalyzes the first step of phosphatidylethanolamine (PtdEtn) biosynthesis via the cytidine diphosphate (CDP) ethanolamine pathway. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2014]

### Product images:



Circular map for RG237613