

Product datasheet for **RC236578**

ETNK2 (NM_001297761) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETNK2 (NM_001297761) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ETNK2
Synonyms:	EKI2; HMFT1716
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC236578 representing NM_001297761 Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAAAGATTCATACTATCCACGCCAACGGCAGCCTGCCAAGCCCATCCTCTGGCACAAGATGCACA
 ATTATTTACGCTTGTGAAGAACGAGATCAACCCAGCCTTTCTGCAGATGTCCCTAAGGTAGAGGTGTT
 GGAACGGGAGCTGGCCTGGCTGAAGGAGCATCTGCCAGCTGGAGTCCCCTGTGGTGTTCACAAAT
 GACCTGCTCTGCAAGAATATCATCTATGACAGCATCAAAGGTACGTGCGGTTTCATTGACTATGAATATG
 CTGGCTACAACCTACCAAGCTTTTGACATTGGCAACCATTTCAATGAGTTTGCAGGCGTGAATGAGGTGGA
 TTAAGCTGTACCCGGCGCGGGAGACCCAGCTGCAAGTGGCTGCACTACTACCTGCAGGCACAAAAGGGG
 ATGGCCGTGACCCCAAGGAGGTGCAAAGGCTCTACGTGCAAGTCAACAAGTTTGCCTGGCGTCTCACT
 TCTTCTGGGCTCTCTGGGCCCTCATCCAGAACCAGTACTCCACCATCGACTTTGATTTTCTCAGGTACGC
 AGTGATCCGATTCAACCACTACTTCAAGGTGAAGCCTCAAGCGTCAGCCTTGGAGATGCCAAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC236578 representing NM_001297761 Red=Cloning site Green=Tags(s)
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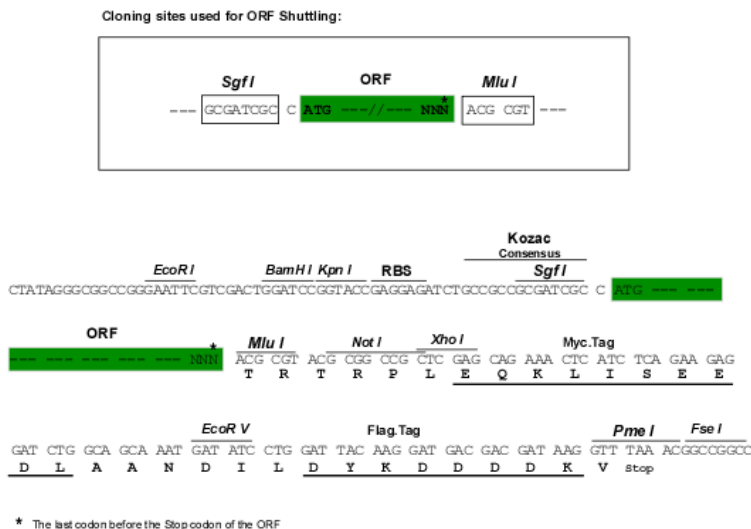
MAKIHTIHANGSLPKPILWHKMHNFTLVKNEINPSLSADVPKVEVLERELAWLKEHLSQLESPVVFCHN
 DLLCKNIYDSIKGHVRFIDYEYAGYNYQAFDIGNHNEFAGVNEVDYCLYPARETQLQLHYLQAQKG
 MAVTPREVQRLVYQVNFALASHFFWALWALIQNQYSTIDFDLRYAVIRFNQYFKVKPQASALEMPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV


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Restriction Sites: Sgfl-MluI

Cloning Scheme:



ACCN: NM_001297761

ORF Size: 624 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_001297761.2](#)

RefSeq Size: 2378 bp

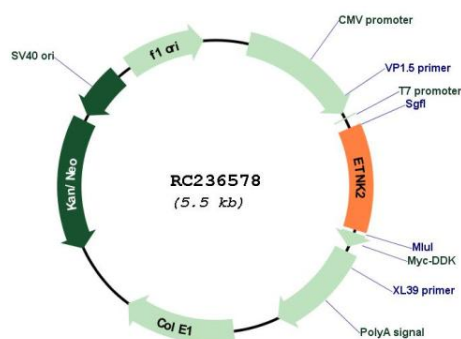
RefSeq ORF: 627 bp

Locus ID: 55224

UniProt ID: Q9NVF9

Cytogenetics:	1q32.1
Protein Families:	Druggable Genome
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
MW:	25 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 RC236578