

Product datasheet for **RG236578**

ETNK2 (NM_001297761) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ETNK2 (NM_001297761) 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:	>RG236578 representing NM_001297761. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGGCAAAGATTCATACTATCCACGCCAACGGCAGCCTGCCAAGCCATCCTCTGGCACAAGATGCAC
AATTATTTACGCTTGTGAAGAACGAGATCAACCCAGCCTTTCTGCAGATGTCCCTAAGGTAGAGGTG
TTGGAACGGGAGCTGGCCTGGCTGAAGGAGCATCTGTCCAGCTGGAGTCCCTGTGGTGTGTTTGCAC
AATGACCTGCTCTGCAAGAATATCATCTATGACAGCATCAAAGGTCACGTGCGGTTCACTGACTATGAA
TATGCTGGCTACAACACCAAGCTTTTGACATTGGCAACCATTTCAATGAGTTTGCAGGCGTGAATGAG
GTGGATTACTGCCTGTACCCGGCGGGAGACCCAGCTGCAGTGGCTGCACTACTACCTGCAGGCACAA
AAGGGGATGGCCGTGACCCCGAGGAGGTGCAAAGGCTCTACGTGCAAGTCAACAAGTTTGCCTGGCG
TCTCACTTCTTCTGGGCTCTCTGGGCCCTCATCCAGAACCAGTACTCCACCATCGACTTTGATTTCTC
AGGTACGCAGTGATCCGATTCAACCAAGTACTTCAAGGTGAAGCCTCAAGCGTCAGCCTTGGAGATGCCA
AAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG236578
 Blue=ORF Red=Cloning site Green=Tag(s)

MAKIHTIHANGSLPKPILWHKMHNFTLVKNEINPSLSADVPKVEVLERELAWLKEHLSQLESPVVFCH
 NDLLCKNIIYDSIKGHVRFIDYEYAGYNYQAFDIGNHFNFAFVNEVDYCLYPARETQLQWLHYYLQAQ
 KGMAVTPREVQRLVYVQVNFALASHFFWALWALIQNQYSTIDDFLRYAVIRFNQYFKVKPQASALEMP
 K
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPSTYENPFLHAINNGGYTNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNAVHHLPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-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).

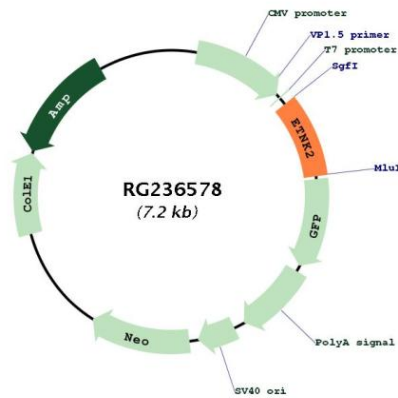
RefSeq: [NM_001297761.2](#)

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 RG236578