

## Product datasheet for **RC209732**

### ethanolamine kinase (ETNK1) (NM\_018638) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ethanolamine kinase (ETNK1) (NM_018638) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ethanolamine kinase
Synonyms:	EKI; EKI 1; EKI1; Nbla10396
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC209732 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGCTCTGCGGCCGCCCGCGGTCCAGCTCCGACAACAGGAATTTCTCCGAGAGCGGGCCGGCTCAGTT  
 CAGCTGCTGTCCAGACCCGGATCGGCAACAGTGCCTCCAGAGTTCTCCTGCCGCTCGCCCGCCGT  
 CCCAGCGCCCCAGCCCTCCCGCGAGGGCGCCCGGGACGGAAGGATCCACCAGTCTGTCGGCGCCCGCC  
 GTTCTCGTGGTCGCCGTCGCGTCGTCGTTGGTAGTCTCCGCCGTCGCTGGGCCATGGCCAATTACA  
 TCCACGTCCTCCCGCTCCCGGAGGTGCCAAGCTGAACGTCACCGTTCAGGATCAGGAGGAGCATCG  
 CTGCCGGAGGGGCCCTGAGCCTCTGCAACACCTGCGGCTCACTGGGACCCCGAGGAGTGACCCTG  
 CAGCTCTCACAGATGGAATCACAATAAACTTATTGGCTGTACGTGGGAAACACCATGGAGGATGTAG  
 TCCTGGTGAATAATGGCAATAAGACTGAGTTATTAGTCGATCGAGATGAGGAAGTAAAGAGTTTTCCG  
 AGTGTTCAGGCTCATGGGTGTGCACCACAACCTACTGTACCTCAATAATGGACTATGCTATGAATTT  
 ATACAAGGAGAAGCACTGGATCCAAAGCATGTCTGCAACCCAGCCATTTTCAGGTAATAGCTCGTCAGC  
 TTGCTAAAATCCATGCTATTCATGCACACAATGGCTGGATCCCCAAATCTAATCTTTGGCTAAAGATGGG  
 AAAGTATTTCTCTCATTCCCACAGGATTTGCAGATGAAGACATTAATAAAAGTTCTAAGTGATATC  
 CCAAGCTCTCAGATTCTCCAGGAAGAGATGACTTGGATGAAGGAGATTCTTTCCAACCTGGGCTCACCTG  
 TTGTGCTTTGCCATAATGACCTATTGTGAAGAATAAATCTACAATGAGAAACAAGGTGATGTACAGTT  
 CATTGATTATGAATTTCTGGATACAACCTACCTGGCATATGATATTGAAATCATTTCAATGAATTTGCA  
 GGTGTGAGTGATGACTATAGTCTGTATCCAGATAGAGAACTACAGAGTCAGTGGCTGCGTGCTTACC  
 TTGAAGCTACAAGAATTTAAGGGCTTTGGGACTGAAGTACTGAAAAGGAGGTAGAAATACTTTCAT  
 TCAAGTCAATCAGTTTGCAATGGCTTCTCATTCTTTTGGGATTGTGGGCTTTGATTCAAGCCAATAAC  
 TCCACTATTGAGTTTGATTTCTTGGGTATGCAATTGTTGTTTTAACCGTACTTTAAAATGAAGCCTG  
 AGTTACTGCATTAAGTGCCTGAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC209732 protein sequence  
 Red=Cloning site Green=Tags(s)

MLCGRPRSSSDNRNFLRERAGLSSAAVQTRIGNSAASRRSPAARPPVPAPPALPRGRPGTEGSTLSLAPA  
 VLVVAVAVVVVVSAVAVAMANYIHVPPGSEVPKLNVTVDQEEHRCREGALSLQLRPHWDPQEVTL  
 QLFTDGIITNKLIGCYVGNMEDVVLVRIYGNKTELLVDRDEEVKSFRVLQAHGCAPQLYCTFNGLCYEF  
 IQGEALDPKHVCNPAIFRLIARQLAKIHAHNGWIPKSNLWLMGKYFSLIPTGFADEDINKRFLSDI  
 PSSQILQEEMTWKEILSNLGSPPVLCNDLLCKNIYNEKQGDVQFIDYEYSYNYLAYDIGNHNEFA  
 GVSVDVYSLYPDRELQSQWLRAYLEAYKEFKGFGTEVTEKEVEILFIQVNFALASHFFWGLWALIQAQY  
 STIEFDLGYAIVRFNQYFKMKPEVTALKVPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk6708\\_h09.zip](https://cdn.origene.com/chromatograms/mk6708_h09.zip)

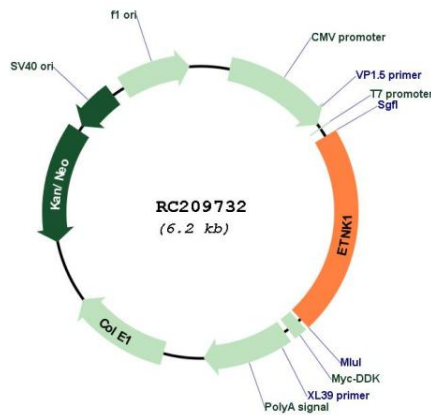
**Restriction Sites:**

Sgfl-MluI



RefSeq:	<a href="#">NM_018638.4</a> , <a href="#">NP_061108.2</a>
RefSeq Size:	7101 bp
RefSeq ORF:	1092 bp
Locus ID:	55500
UniProt ID:	<a href="#">Q9HBU6</a>
Cytogenetics:	12p12.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Glycerophospholipid metabolism, Metabolic pathways
MW:	51 kDa
Gene Summary:	This gene encodes an ethanolamine kinase, which functions in the first committed step of the phosphatidylethanolamine synthesis pathway. This cytosolic enzyme is specific for ethanolamine and exhibits negligible kinase activity on choline. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RC209732