

Product datasheet for **SC122348**

ethanolamine kinase (ETNK1) (BC006111) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | ethanolamine kinase (ETNK1) (BC006111) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | ethanolamine kinase |
| Synonyms: | EKI; EK11; ethanolamine kinase 1; Nbla10396; putative protein product of Nbla10396 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |

Fully Sequenced ORF: >OriGene sequence for BC006111 edited
 CTCCGACAACAGGAATTTTCTCCGAGAGCGGGCCGGGCTCAGTTCAGCTGCTGTCCAGAC
 CCGGATCGGCAACAGTGCCGCCTCCAGACGTTCTCCTGCCGCTCGCCCGCCGTCACAGC
 GCCCCAGCCCTCCCGAGGGCGCCCGGACGGAAGGATCCACCAGTCTGTGCGCGCC
 CGCCGTTCTCGTGGTTCGCGCTCGCCGCTCGTGGTGGTGTAGTCTCCGCCGTCGCTGGG
 CATGGCCAATTACATCCACGTCCCTCCCGGCTCCCGGAGGTGCCAAGCTGAACGTAC
 CGTTCAGGATCAGGAGGAGCATCGCTGCCGGGAGGGGCCCTGAGCCTCCTGCAACACCT
 GCGGCCTCACTGGGACCCCAAGGAGGTGACCCTGCAGCTTTCACAGATGGAATCACAAA
 TAAACTTATTGGCTGTTACGTGGGAAACACCATGGAGGATGTAGTCTGGTGAATTTA
 TGGCAATAAGACTGAGTTATTAGTCGATCGAGATGAGGAAGTAAAGAGTTTTCGAGTGT
 GCAGGCTCATGGGTGTGCCACCAACTCTACTGTACCTTCAATAATGGACTATGCTATGA
 ATTTATACAAGGAGAAGCACTGGATCCAAGCATGTCTGCAACCCAGCCATTTTCAGTTT
 ATCATCGTTGACTCTTTGCAAAGGAAAACTACAAGATGTTTTGGATTAACCGGCTGCAG
 AGGGTCAAGGCTTCTGCTTAGTTTTTCTAGTTAGTGTGTTGAGTTGAAGTGTATACATT
 TCTTACTGCCGATTGCTTATTACTTAATTGTTTCATGTTTTCAGAGTTCTTGCCTATTA
 ATTTTATTAATTTGGTTAACAAAAAAAAAAAAAAAAAAAA



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| 5' Read Nucleotide Sequence: | >OriGene 5' read for BC006111 unedited NAAAAAGTTCAAATTTGTAAACGACTCACTATAGGCGGCCGGAATTCGCACGAGGGCTC CGACAACAGGAATTTTCTCCGAGAGCGGGCCGGGCTCAGTTCAGCTGCTGTCCAGACCCG GATCGGCAACAGTGCCGCCTCCAGACGTTCTCCTGCCGCTCGCCCGCCGTCACAGCGCC CCCAGCCCTCCCGCGAGGGCGCCCCGGGACGGAAGGATCCACCAGTCTGTGGCGCCCGC CGTTCTCGTGGTCGCCGTCGCCGTCGTCGTGGTGGTAGTCTCCGCCGTCGCCCTGGGCCAT GGCCAATTACATCCACGTCCTCCCGGCTCCCGGAGGTGCCCAAGCTGAACGTCACCGT TCAGGATCAGGAGGAGCATCGCTGCCGGAGGGGCCCTGAGCCTCTGCAACACCTGCG GCCTCACTGGGACCCCCAGGAGGTGACCCTGCAGCTCTTACAGATGGAATCACAATAA ACTTATTGGCTGTACGTGGAAACACCATGGAGGATGTAGTCTGGTGAGAATTTATGG CAATAAGACTGAGTTATTAGTCGATCGAGATGAGGAAGTAAAGAGTTTTCGAGTGTGCA GGCTCATGGGTGTGCACCACAACCTACTGTACCTTCAATAATGGACTATGCTATGAATT TATAACAAGGAGAAGCACTGGATCCAAAGCATGTCTGCAACCCAGCCATTTTCAGTTTATC ATCGTTGACTCTTTGCAAAGGAAAACTACAAGATGTTTTGGATTAACCGGCTGCAGAAG GTCAAGGCTTCTGCTTAGTTTTTCTAGTTAGTGTGGATTGAAAGTGTATACATTTCT TACTGCCGATTGCTTATTACTTAATTGTTTCATGTTTTTCAAAGTCTTGCCTATAA |
| Restriction Sites: | Please inquire |
| ACCN: | BC006111 |
| Insert Size: | 878 bp |
| OTI Disclaimer: | Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP). |
| 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: | <ol style="list-style-type: none"> 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: | BC006111.1 , AAH06111.2 |
| RefSeq Size: | 878 bp |
| Locus ID: | 55500 |
| Cytogenetics: | 12p12.1 |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Glycerophospholipid metabolism, Metabolic pathways |

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]