

Product datasheet for **MR207999**

Etnppl (NM_001163587) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etnppl (NM_001163587) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Etnppl
Synonyms:	1300019H02Rik; Agxt2l1; A1195447
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR207999 representing NM_001163587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGCGAGCTCTATAGCAAGCAGGACACCTGGCGCTGAGGGAGAGGCACATCGGGCCCTCGTGCAAAA
 TTTTCTTTGCCGCGGATCCCATCAAATAATGCGAGCCAGGGCAGTACATGTTTGATGAGAAAGGCGA
 ACGGTACTTAGACTGCATCAACAACGTGGCGCATGTGGGACTGTCAACCAGAAGTGGTCAAAGCTGCC
 GCGAAACAGATGGAATTACTAAATACAAATTCGCTTCTCCACGACAACATCATTGAGTTTGCCAAGC
 GCCTTACTGCCACCCTGCCTCAGGAGCTCTCCGTTTGTACTTCACAACTCCGGATCCGAAGCCAATGA
 CTTAGCCTTACGTCTGGCAGGCAGTCCGAGGCCACCAGGATGTGATCACCTTGACCATGCTTACCAC
 GGCCACCTGTGTCATTAATTGAGATCAGTCTTATAAGTTTCAGAAGGGCAAAGATGTCAAGAGGGAAA
 CTGTACATGTGGCACCAGCTCCAGACACTTACAGAGGAAATACAGAGAGGACCAGAAGACCCATCCAC
 TGCATATGCCGACGAGGTGAAGAAGATCATTGAAGAGGCTCACAGCAGCGGAAGGAAGATTGCTGCCTT
 ATTGCTGAATCCATGCAGAGTTGTGGTGGACAAATATTCTCCAGCAGGCTACTTCCAGAAAGTGGCTG
 AACACATTCACAAAGCAGGAGGTGTGTTATTGCTGACGAAGTCAAGTAGGCTTTGGCAGAGTTGGGAG
 GTACTTCTGGAGCTTCCAGATGTATGGTGAAGACTTCGTTCCAGACATCGTCAACATGGGGAAACCTATG
 GGCAACGGTCAACCGATATCCTGTGTGGTGACAACCAAAGAAATTGCAGAAGCCTTCCAGCAGCTCGGGCA
 TGGAAATTTTCAATACGTATGGAGGAAATCCAGTGTCTTGTGCAGTTGGCTTGGCTGTGCTGGATGTAAT
 TGAAGGAGGAAACCTTCAAGGGAATGCTGTGAGAGTGGGACCTATCTCATGGAGCTGTGAGTGAACAG
 AAGGCTAAGCATCCCTTGATAGGGGACATCAGAGGTGTCGGCCTTTTTATCGGCATCGATTTGGTGAAGG
 ACCGTGAGAAAAGAACACCTGCGACAGCTGAAGCACAGCACATCATCTACGAGATGAAAGGAAAGGGGGT
 ACTTCTCAGTCCGATGGCCCTCACAGGAACGTGCTGAAAATAAAACCACCCATGTGCTTACGGAAGAC
 GATGCAAAGTTCTGGTGGACCCTTGACGGCATTAAACAGTTTTAGAAGAAGCCATGGACTCCAAGA
 GTGGAAGTGTGTTCTCTGAGAACACAGCTTACAGAAACAAAGATGCCTAAGGAAATACAAGTGAATTGCC
 CAACCTTAGTGCCACCGAGGCCAGAGAAATCCCCAGGGGAAAGAGAAATGGTGTATGCTCAGACCAGCAA
 GCCCTGCTCAGCAAAGACTCAAGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207999 representing NM_001163587
 Red=Cloning site Green=Tags(s)

MCELYSKQDTLALRERHIGPSCIFFAADPIKIMRAQQQYMFDEKGERYLDCINNVAVHGHCHPEVVKAA
 AKQMELLNNTNSRFLHDNIEFAKRLTATLPQELSVCYFTNSGSEANDLALRLARQFRGHQDVITLDHAYH
 GHLSSLIEISPYKFQKGDVKRETVHVAPAPDTRYRKYREDHEDPSTAYADEVKKIEEAHSSGRKIAAF
 IAESMQSCGGQIIPPAGYFQKVAEHIHKAGGVFIADEVQVGFGRVGRYFWSFQMYGEDFVDPDIVTMGKPM
 GNGHPISCVVTTKEIAEAFSSSGMEYFNTYGGNPVSCAVGLAVLDVIEKENLQGNVAVRVGYLMELLSEQ
 KAKHPLIGDIRGVGLFIGIDLVDREKRTPATAEAQHIIYEMKKGVLVLSADGPHRNVLKI KPPMCFTE
 DAKFLVDHLDGILTVLEEAMDSKSGTVFSENTAYRTKMPKEIQVELPNLSATEAREIPRGRKRVCSDDQ
 ALLSKRLKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001163587

ORF Size: 1497 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_001163587.1](#), [NP_001157059.1](#)

RefSeq Size: 2666 bp

RefSeq ORF: 1500 bp

Locus ID: 71760

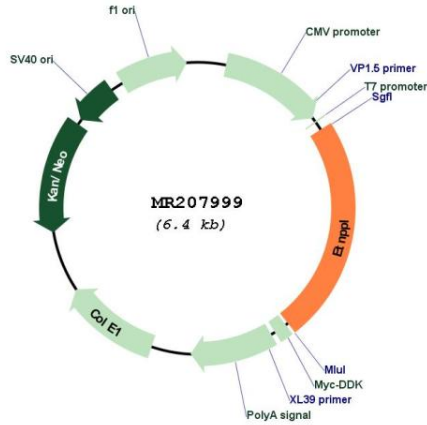
UniProt ID: [Q8BWU8](#)

Cytogenetics: 3 G3

MW: 55.5 kDa

Gene Summary: Catalyzes the pyridoxal-phosphate-dependent breakdown of phosphoethanolamine, converting it to ammonia, inorganic phosphate and acetaldehyde.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR207999