

Product datasheet for **MR217098**

Etnppl (NM_027907) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etnppl (NM_027907) 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:

>MR217098 representing NM_027907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTGCGAGCTCTATAGCAAGCAGGACACCCTGGCGCTGAGGGAGAGGCACATCGGGCCCTCGTGCAAAA
 TTTTCTTTGCCGCGATCCCATCAAAATATGCGAGCCAGGGGAGTACATGTTTGATGAGAAAGCGA
 ACGGTACTTAGACTGCATCAACAACGTGGCGCATGTGGGACACTGTACCCAGAAGTGGTCAAAGTGCC
 GCGAAACAGATGGAATTACTAAATACAAATTCTCGCTTCTCCACGACAACATCATTGAGTTTGCCAAGC
 GCCTTACTGCCACCCTGCCTCAGGAGCTCTCGTTTGTACTTCAAACTCCGGATCCGAAGCCAATGA
 CTTAGCCTTACGTCTGGCAGGCAGTTCGAGGCCACCAGGATGTGATCACCTTGACCATGCTTACCAC
 GGCCACCTGTGTCATTAATTGAGATCAGTCCTTATAAGTTTCAGAAGGGCAAAGATGTCAAGAGGGAAA
 CTGTACATGTGGCACCAGCTCCAGACACTACAGAGGGAAATACAGAGAGGACCAGAAGACCCATCCAC
 TGCATATGCCGACGAGGTGAAGAAGATCATTGAAGAGGCTCACAGCAGCGGAAGGAAGATTGCTGCCTTT
 ATTGCTGAATCCATGCAGAGTTGTGGTGACAAATATTCTCCAGCAGGCTACTTCCAGAAAGTGCTG
 AACACATTCACAAAGCAGGAGGTGTGTTATTGCTGACGAAGTTCAAGTAGGCTTTGGCAGAGTTGGGAG
 GTACTTCTGGAGCTTCCAGATGTATGGTGAAGACTTCGTTCCAGACATCGTCACCATGGGGAAACCTATG
 GGCAACGGTCACCCGATATCCTGTGTGGTGACAACCAAGAAATTGCAGAAGCCTTCAGCAGCTCGGGCA
 TGGAATATTTCAATACGTATGGAGGAAATCCAGTGTCTTGTGCAGTTGGCTTGGCTGTGCTGGATGTAAT
 TGAAAAGGAGAACCTTCAAGGGAATGCTGTCAGAGTGGGACCTATCTCATGGAGCTGCTGAGTGAACAG
 AAGGCTAAGCATCCCTTGATAGGGGACATCAGAGGTGTGGCCTTTTATCGGCATCGATTGTTGGTGAAGG
 ACCGTGAGAAAAGAACCTGCGACAGCTGAAGCACAGCACATCATCTACGAGATGAAAGGAAAGGGGT
 ACTTCTCAGTGCCGATGGCCCTCACAGGAACGTGCTGAAAATAAAACACCCATGTGCTTCACGGAAGAC
 GATGCAAAGTTCTGTTGGTGGACACCTTGACGGCATTTTAACAGTTTTAGAAGAAGCCATGGACTCCAAGA
 GTGGAAGTGTGTTCTCTGAGAACACAGCTTACAGAAACAAAGATGCCTAAGGAAATACAAGTGAATTGCC
 CAACCTTAGTGCCACCGAGGCCAGAGAAATCCCCAGGGGAAAGAGAAATGGTGTATGCTCAGACCAGCAA
 GCCCTGCTCAGCAAAAGACTCAAGACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR217098 representing NM_027907
 Red=Cloning site Green=Tags(s)

MCELYSKQDTLALRERHIGPSCIFFAADPIKIMRAQGQYMFDEKGERYLDGINNVAVHGHCHPEVVKAA
 AKQMELLNTNSRFLHDNIIEFAKRLTATLPQELSVCYFTNSGSEANDLALRLARQFRGHQDVITLDHAYH
 GHLSSLIEISPYKFQKGDVKRETIVHAPAPDTYRGKYREDHEDPSTAYADEVKKIEEAHSSGRKIAAF
 IAESMQSCGGQIIPAGYFQKVAEHIHKAGGVFIADDEVQVGFGRVGRYFWSFQMYGEDFVPDIVTMGKPM
 GNGHPISCVVTTKEIAEAFSSSGMEYFNTYGGNPVSCAVGLAVLDVIEKENLQGNVVRVGYLMELLSEQ
 KAKHPLIGDIRGVGLFIGIDLKDKREKTPATAEAQHIIYEMKGKGVLLSADGPHRNVLKIKPPMCFTE
 DAKFLVDHLDGILTVLEEAMDSKSGTVFSENTAYRTKMPKEIQVELPNLSATEAREIPRGRNGVCSDQ
 ALLSKRLKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9060_h06.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM 027907

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_027907.3, NP_082183.2

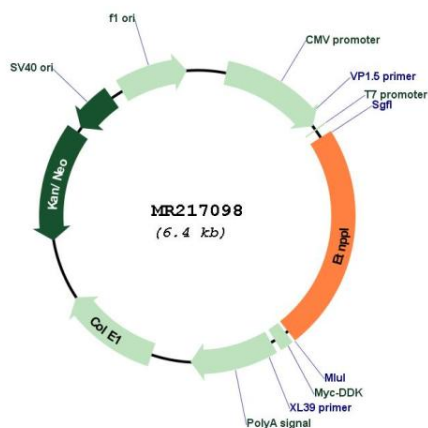
RefSeq Size: 2704 bp

RefSeq ORF: 1500 bp

Locus ID: 71760

UniProt ID:	<u>Q8BWU8</u>
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 MR217098