

Product datasheet for **MG217098**

Etnppl (NM_027907) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Etnppl (NM_027907) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Etnppl
Synonyms:	1300019H02Rik; Agxt2l1; A1195447
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG217098 representing NM_027907
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTGCGAGCTCTATAGCAAGCAGGACACCCTGGCGCTGAGGGAGAGGCACATCGGGCCCTCGTGCAAAA
 TTTTCTTTGCCGCGATCCCATCAAAATAATGCGAGCCAGGGGCAGTACATGTTTGATGAGAAAGCGCA
 ACGGTACTTAGACTGCATCAACAACGTGGCGCATGTGGGACACTGTCACCCAGAAGTGGTCAAAGCTGCC
 GCGAAACAGATGGAATTACTAAATACAAATTCTCGCTTCTCCACGACAACATCATTGAGTTTGCCAAGC
 GCCTTACTGCCACCCTGCCTCAGGAGCTCTCGTTTGCTACTTCACAACTCCGGATCCGAAGCCAATGA
 CTTAGCCTTACGTCTGGCAGGCAGTTCGAGGCCACCAGGATGTGATCACCTTGACCATGCTTACCAC
 GGCCACCTGTGTCATTAATTGAGATCAGTCCTTATAAGTTTCAGAAGGGCAAAGATGTCAAGAGGGAAA
 CTGTACATGTGGCACCAGCTCCAGACACTTACAGAGGGAAATACAGAGAGGACCACGAAGACCCATCCAC
 TGCATATGCCGACGAGGTGAAGAAGATCATTGAAGAGGCTCACAGCAGCGGAAGGAAGATTGCTGCCTTT
 ATTGCTGAATCCATGCAGAGTTGTGGTGACAAATATTCTCTCCAGCAGGCTACTTCAGAAAGTGGCTG
 AACACATTCACAAAGCAGGAGGTGTGTTATTGCTGACGAAGTTCAAGTAGGCTTTGGCAGAGTTGGGAG
 GTACTTCTGGAGCTTCCAGATGTATGGTGAAGACTTCGTTCCAGACATCGTCACCATGGGAAAACCTATG
 GGCAACGGTCACCCGATATCCTGTGTGGTGACAACCAAGAAATTGCAGAAGCCTTCAGCAGCTCGGGCA
 TGGAATATTTCAATACGTATGGAGGAAATCCAGTGTCTTGTGCAGTTGGCTTGGCTGTGCTGGATGTAAT
 TGAAAAGGAGAACCTTCAAGGGAATGCTGTCAGAGTGGGACCTATCTCATGGAGCTGCTGAGTGAACAG
 AAGGCTAAGCATCCCTTGATAGGGGACATCAGAGGTGTCGGCCTTTTATCGGCATCGATTGTTGGTGAAGG
 ACCGTGAGAAAAGAACACCTGCGACAGCTGAAGCACAGCACATCATCTACGAGATGAAAGGAAAGGGGT
 ACTTCTCAGTGCCGATGGCCCTCACAGGAACGTGCTGAAAATAAAACACCCATGTGCTTCACGGAAGAC
 GATGCAAAGTTCTGTTGGTGGACACCTTGACGGCATTTTAACAGTTTTAGAAGAAGCCATGGACTCCAAGA
 GTGGAAGTGTGTTCTCTGAGAACACAGCTTACAGAAACAAAGATGCCTAAGGAAATACAAGTGAATTGCC
 CAACCTTAGTGCCACCGAGGCCAGAGAAATCCCCAGGGGAAAGAGAAATGGTGTATGCTCAGACCAGCAA
 GCCCTGCTCAGCAAAAGACTCAAGACA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG217098 representing NM_027907
 Red=Cloning site Green=Tags(s)

MCELYSKQDTLALRERHIGPSCKIFFAADPIKIMRAQQQYMFDEKGERYLDGINNVAVHGHCHPEVVKAA
 AKQMELLNTNSRFLHDNIEFAKRLTATLPQELSVCYFTNSGSEANDLALRLARQFRGHQDVITLDHAYH
 GHLSSLIEISPYKFQKGKDVKRETVHVAPADTYRGKYREDHEDPSTAYADEVKKIEEAHSSGRKIAAF
 IAESMQSCGGQIIPPAGYFQKVAEHIHKAGGVFIADEVQVGFGRVGRYFWSFQMYGEDFVPDIVTMGKPM
 GNHPIISCVVTKEIAEAFSSSGMEYFNITYGGNPVSCAVGLAVLDVIEKENLQGNVVRVGTLYLMELLSEQ
 KAKHPLIGDIRGVGLFIGIDLKDKREKTPATAEAQHIIYEMKKGKGVLLSADGPHRNVLKIKPPMCFTE
 DAKFLVDHLDGILTVLEEAMDSKSGTVFSENTAYRTKMPKEIQVELPNLSATEAREIPRGKRNGVCSQQ
 ALLSKRLKT

TRTRPLE – GFP Tag – V

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

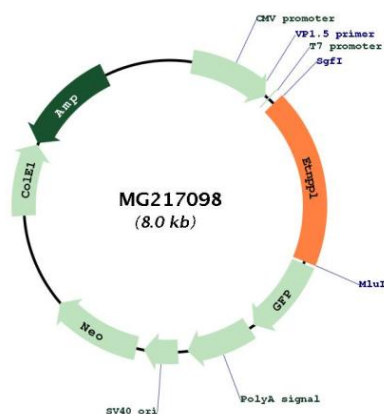
Locus ID: 71760

UniProt ID: [Q8BWU8](#)

Cytogenetics: 3 G3

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 MG217098