

## Product datasheet for **RG228408**

### AGXT2L1 (ETNPPL) (NM\_001146590) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	AGXT2L1 (ETNPPL) (NM_001146590) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ETNPPL
Synonyms:	AGXT2L1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG228408 representing NM\_001146590  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTGCGAGCTGTACAGTAAGCGGGACACTCTGGGCTGAGGAAGAAGCACATCGGGCCCTCATGCAAAG  
 TTTTCTTTGCATCGGATCCCATCAAATAGTGAGAGCCAGAGGAGTACATGTTTGATGAGAACGGTGA  
 ACAGTACTTGGACTGCATCAACAATGTTGCCCATGGAGTGGTCAAAGCTGCCCTGAAACAGATGGAAGT  
 CTAATAACAAATTCGATTCTCCACGACAACATTGTTGAGTATGCCAAACGCCTTTCAGCAACTCTGC  
 CGGAGAAACTCTCTGTTTGTATTTTACAAATTCAGGATCCGAAGCCAACGACTTAGCCTTACGCCTGGC  
 TCGGCAGTTCAGAGGCCACCAGGATGTGATCACTCTTGACCATGCTTACCATGGTACCTATCATCTTA  
 ATTGAGATTAGCCATATAAGTTTCAGAAAGGAAAAGATGTCAAAAAGAATTTGTACATGTGCCACCAA  
 CTCCAGATACTTACAGAGGAAAAATAGAGAAGACCATGCAGACTCAGCCAGTGTATGCAGATGAAGT  
 GAAGAAAATCATTGAAGATGCTCATAACAGTGGAAAGGAAGATTGTGCCTTTATTGCTGAATCCATGCAG  
 AGTTGTGGCGGACAAATAATTCCTCCAGCAGGCTACTTCCAGAAAGTGGCAGAATATGTACACGGTGCAG  
 GGGGTGTGTTTATAGCTGATGAAGTTCAAGTGGGCTTTGGCAGAGTTGGGAAACATTTCTGGAGCTTCCA  
 GATGTATGGTGAAGACTTTGTTCCAGACATCGTCACAATGGGAAAACCGATGGGCAACGGCCACCCGGTG  
 GCATGTGTGGTAAACAACCAAGAAATTCGAGAAGCCTTACGACGCTCTGGGATGGAATATTTAATACGT  
 ATGGAGGAAATCCAGTATCTTGTGCTGTTGGTTGGCTGTCTGGATATAAATGAAAATGAAGACCTTCA  
 AGGAAATGCCAAGAGAGTAGGGAATTATCTCACTGAGTTACTGAAAAACAGAAGGCTAACACACTTTG  
 ATAGGAGATATTAGGGCATTGGCCTTTTTATTGGAATTGATTTAGTGAAGGACCATCTGAAAAGGACCC  
 CTGCCACAGCTGAAGCTCAGCACATCATCTACAAGATGAAAGAAAAACGAGTGCTTCTCAGTCCGATGG  
 ACCTCATAGAAATGTACTTAAAAATAAACCCACTATGTGCTTCACTGAAGAAGATGCAAAGTTCATGGTG  
 GACCAACTTGATAGGATTCTAACAGTTTTAGAAGAAGCTATGGGAACCAAAACCGAAAGTGTGACCTCTG  
 AGAATACTCCATGCAAAACAAAGATGCTGAAAGAAGCCACATAGAAGTCTTAGGGACAGCACCCTGA  
 CTCCAAAGAAAATCCAGCAGAAAGAGAAATGGAATGTGCACGGATACACATTCAGTCTCAGTAAGAGG  
 CTAAGACA

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG228408 representing NM\_001146590  
 Red=Cloning site Green=Tags(s)

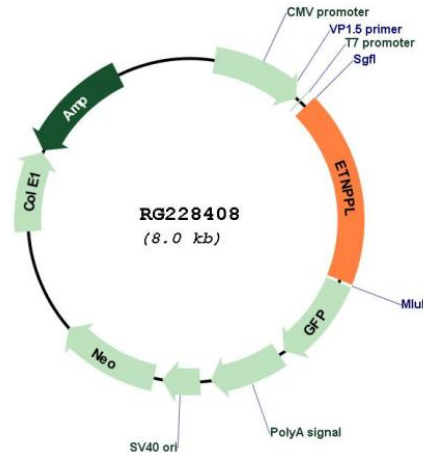
MCELYSKRDTLGLRKKHIGPSCVFFASDPIKIVRAQRQYMFDENGEQYLDICINNVAHGVVKAALKQMEL  
 LNTNSRFLHDNIVEYAKRLSATLPEKLSVCYFTNSGSEANDLALRLARQFRGHQDVITLDHAYHGHLSL  
 IEISPYKFQKGDVYKKEFVHVAPTPDITYRGKYREDHADSASAYADEVKKIIEDAHNSGRKIAAFIAESMQ  
 SCGGQIIPPAGYFQKVAEYVHGAGGVFIADEVQVGFGRVGHFWSFQMYGEDFVPDIVTMGKPMGNHGPV  
 ACVVTTKEIAEAFSSSGMEYFNTYGNPVSACVGLAVLDIENEDLQGNKRNVGNLTELKQKAKHTL  
 IGDIRGIGLFIGIDLKDLKRTPATAEAQHIIYKMKERVLLSADGPHRNVLKI KPPMCFTEEDAKFMV  
 DQLDRILTVLEEAMGKTESVTSENTPCKTKMLKEAHIELLRDSTTDSKENPSRKRNGMCTDTHSLLSKR  
 LKT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_001146590

**ORF Size:** 1479 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001146590.2</a>
<b>RefSeq Size:</b>	2115 bp
<b>RefSeq ORF:</b>	1482 bp
<b>Locus ID:</b>	64850
<b>UniProt ID:</b>	<a href="#">Q8TBG4</a>
<b>Cytogenetics:</b>	4q25
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Catalyzes the pyridoxal-phosphate-dependent breakdown of phosphoethanolamine, converting it to ammonia, inorganic phosphate and acetaldehyde.[UniProtKB/Swiss-Prot Function]