

Product datasheet for **RG228353**

AGXT2L1 (ETNPPL) (NM_001146627) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGXT2L1 (ETNPPL) (NM_001146627) 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)
ORF Nucleotide Sequence:	>RG228353 representing NM_001146627 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGACACTGTCACCCAGGAGTGGTCAAAGCTGCCCTGAAACAGATGGAAGTCTAAATACAAATTCTC
GATTCCTCCACGACAACATTGTTGAGTATGCCAAACGCCCTTCAGCAACTCTGCCGAGAAACTCTCTGT
TTGTTATTTTACAAATTCAGGATCCGAAGCCAACGACTTAGCCTTACGCCTGGCTCGGCAGTTCAGAGGC
CACCAGGATGTGATCACTCTTGACCATGCTTACCATGGTCACCTATCATCCTTAATTGAGATTAGCCCAT
ATAAGTTTCAGAAAGGAAAAGATGTCAAAAAGAATTTGTACATGTGGCACCACCTCCAGATACTTACAG
AGGAAAATATAGAGAAGACCATGCAGACTCAGCCAGTGCTTATGCAGATGAAGTGAAGAAAATCATTGAA
GATGCTCATAACAGTGGAAAGGAAGATTGCTGCCTTTATTGCTGAATCCATGCAGATTGTGGCGGACAAA
TAATTCCTCCAGCAGGCTACTTCCAGAAAGTGGCAGAATATGTACACGGTGCAGGGGGTGTGTTTATAGC
TGATGAAGTTCAGTGGGCTTTGGCAGAGTTGGGAAACATTTCTGGAGCTCCAGATGTATGGTGAAGAC
TTTGTTCAGACATCGTCACAATGGGAAAACCGATGGGCAACGGCCACCCGGTGGCATGTGTGGTAAACA
CCAAAGAAATGCAGAAGCCTTCAGCAGCTCTGGGATGGAATATTTAATACGTATGGAGGAAATCCAGT
ATCTTGTGCTGTTGGTTGGCTGCTCGGATATAAATTGAAAATGAAGACCTTCAAGGAAATGCCAAGAGA
GTAGGGAATTATCTCACTGAGTTACTGAAAAACAGAAGGCTAAACACACTTTGATAGGAGATATTAGGG
GCATTGGCCTTTTATTGGAATTGATTTAGTGAAGGACCATCTGAAAAGGACCCCTGCCACAGCTGAAGC
TCAGCACATCATACAAGATGAAAGAAAAACGAGTGCTTCTCAGTGCCGATGGACCTCATAGAAATGTA
CTTAAATAAAACCACCTATGTGCTTCACTGAAGAAGTGCAGGTTTATGGTGGACCAACTTGATAGGA
TTCTAACAGTTTTAGAAGAAGCTATGGGAACAAAACCGAAAGTGTGACCTCTGAGAATACTCCATGCAA
AACAAAGATGCTGAAAGAAGCCACATAGAAGTCTTAGGGACAGCACCCTGACTCCAAAGAAAATCCC
AGCAGAAAGAGAAATGGAATGTGCACGGATACACATTCAGTCTAGTAAAGGGCTCAAGACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG228353 representing NM_001146627
Red=Cloning site Green=Tags(s)

MGHCHPGVVKAALKQMELLNTNSRFLHDNIVEYAKRLSATLPEKLSVCYFTNSGSEANDLRLARQFRG
 HQDVITLDHAYHGHLSLIEISPYKFQKGDVKKFVHVAPTPTDTRGKYREDHADSASAYAEVKKIIE
 DAHNSGRKIAAF IAESMQSCGGQIIPPAGYFQKVAEYVHGAGGVFIADEVQVGFGRVKGHFWSFQMYGED
 FVPDIVTMGKPMGNHHPVACVVTTKEIAEAFSSSGMEYFNNTYGGNPVSCAVGLAVLDIENEDLQGNKR
 VGNYLTELLKKQKAKHTLIGDIRGIGLFIGIDLVKDHLKRTPATAEAQHIYKMKERVLLSADGPHRNV
 LKIKPPMCFTEEDAKFMVDQLDRILTVLEEAMGKTESVTSENTPCKTKMLKEAHIELLRDSTTDSKENP
 SRKRNGMCTDTHSLLSKRLKT

TRTRPLE - GFP Tag - V

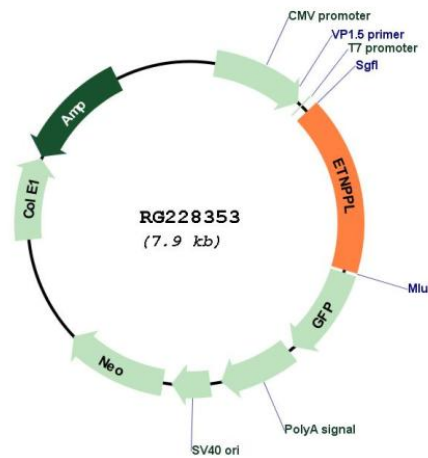
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_001146627

ORF Size:	1323 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:	<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:	NM_001146627.2
RefSeq Size:	2036 bp
RefSeq ORF:	1326 bp
Locus ID:	64850
UniProt ID:	Q8TBG4
Cytogenetics:	4q25
Protein Families:	Druggable Genome
Gene Summary:	Catalyzes the pyridoxal-phosphate-dependent breakdown of phosphoethanolamine, converting it to ammonia, inorganic phosphate and acetaldehyde.[UniProtKB/Swiss-Prot Function]