

Product datasheet for **SC126848**

AGXT2L1 (ETNPPL) (BC022526) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGXT2L1 (ETNPPL) (BC022526) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGXT2L1
Synonyms:	alanine-glyoxylate aminotransferase 2-like 1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC126848 sequence for BC022526 edited (data generated by NextGen Sequencing)

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ATGTGCGAGCTGTACAGTAAGCGGGACACTCTGGGGCTGAGGAAGAAGCACATCGGGCCC
TCATGCAAAGTTTTCTTTGCATCGGATCCCATCAAATAGTGAGAGCCCAGAGGCAGTAC
ATGTTTGATGAGAACGGTGAACAGTACTTGGACTGCATCAACAATGTTGCCCATGTGGGA
CACTGTCACCCAGGAGTGGTCAAAGCTGCCCTGAAACAGATGGAAGTCTAAATAACAAT
TCTCGATTCTCCACGACAACATTGTTGAGTATGCCAAACGCCTTTCAGCAACTCTGCCG
GAGAAACTCTCTGTTTGTATTTTACAAATTCAGGATCCGAAGCCAACGACTTAGCCTTA
CGCCTGGCTCGGCAGTTTACAGAGGCCACAGGATGTGATCACTCTTGACCATGCTTACCAT
GGTCACCTATCATCCTTAATTGAGATTAGCCCATATAAGTTTCAGAAAGGAAAAGATGTC
AAAAAAGAATTTGTACATGTGGCACCAACTCCAGATACTTACAGAGGAAAATATAGAGAA
GACCATGCAGACTCAGCCAGTGTATGCAGATGAAGTGAAGAAAATCATTGAAGATGCT
CATAACAGTGAAGGAAGATTGCTGCCTTTATTGCTGAATCCATGCAGAGTTGTGGCGGA
CAAATAATTCCTCCAGCAGGCTACTTCCAGAAAGTGGCAGAATATGTACACGGTGCAGGG
GGTGTGTTTATAGCTGATGAAGTCAAGTGGGCTTTGGCAGAGTTGGGAAACATTTCTGG
AGCTTCCAGATGTATGGTGAAGACTTTGTTCCAGACATCGTCACAATGGGAAAACCGATG
GGCAACGGCCACCCGGTGGCATGTGTGGTAACAACCAAAGAAATTGCAGAAAGCCTTCAGC
AGCTCTGGGATGGAATATTTAATACGTATGGAGGAAATCCAGTATCTTGTGCTGTTGGT
TTGGCTGTCTGGATATAATTGAAAATGAAGACCTTCAAGGAAATGCCAAGAGAGTAGGG
AATTATCTCACTGAGTTACTGAAAAACAGAAGGCTAAACACACTTTGATAGGAGATATT
AGGGGCATTGGCCTTTTTATTGGAATTGATTTAGTGAAGGACCATCTGAAAAGGACCCCT
GCCACAGCTGAAGCTCAGCACATCATCTACAAGATGAAAGAAAAACGAGTGTCTCAGT
GCCGATGGACCTCATAGAAATGTACTTAAAATAAAACCACCTATGTGCTTCACTGAAGAA
GATGCAAAAGTTTCATGGTGGACCAACTTGATAGGATTCTAACAGTTTTAGAGAAGCTATG
GGAACCAAAACCGAAAAGTGTGACCTCTGAGAATACTCCATGCAAAAACAAAGATGCTGAAA
GAAGCCCACATAGAACTGCTTAGGGACAGCACCCTGACTCCAAAGAAAATCCCAGCAGA
AAGAGAAATGGAATGTGCACGGATACACATTCAGTCTGCTCAGTAAGAGGCTCAAGACATGA
    
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Clone variation with respect to BC022526.1

5' Read Nucleotide Sequence:

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>OriGene 5' read for BC022526 unedited
ACGACTCACTATAGGGCGGCCGCGAATTCGGCACGAGGCTCCGACGCCCCGGCAAGAGA
ACGCCAGGAGGGATAACGGGAGGAAGGCCGGCCGGGGCCCAAGGCAGTCCCAGGCTCG
CGTAGGAGGCGCGCAGACCTTGCACCTTGCACCTTCGACGCGCCCTGCACCCCGCCACCA
TGTGCGAGCTGTACAGTAAGCGGGACACTCTGGGGCTGAGGAAGAAGCACATCGGGCCCT
CATGCAAAAGTTTTCTTTGCATCGGATCCCATCAAATAGTGAGAGCCCAGAGGCAGTACA
TGTTTGATGAGAACGGTGAACAGTACTTGGACTGCATCAACAATGTTGCCCATGTGGGAC
ACTGTCAACCAGGAGTGGTCAAAGCTGCCCTGAAACAGATGGAAGTCTAAATACAAATT
CTCGATTCTCCACGACAACATTGTTGAGTATGCCAAACGCCTTTCAGCAACTCTGCCGG
AGAAACTCTGTTTGTATTTTACAAATTCAGGATCCGAAGCCAACGACTTAGCCTTAC
GCCTGGCTCGGCAGTTCAGAGGCCACCAGATGTGATCACTCTTGACCATGCTTACCATGG
TCACCTATCATCCTTAATTGAGATTAGCCCATATAANGTTTCAGAAAGGAAAAAGATGTC
AAAAAAGAATTTGTACATGGTGGCACCAACTCCAGATACTTACAGAGGAAAATATTGGAG
AAGACCCTGCAGACTCAGCCAGTGTATGCAGAATGAAGTGAAGAAAAATCCATTGAAGA
TGCTCATACAGTGGGAGGAAAATGCTGCCTTTATTGCTGAATCCTGCCAGAGGTGGGG
CGGACAAAATATTCTTCCGACAGGCTACTTTCAAAAAGGGCAGATTTTGTACGGGGGCCG
CGGGGGGGTGTACCCGACAGAGTCCGATCGACATGACCGACGGCTGAACACAGCGACC
TACCCTCGAAGCGA
    
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3' Read Nucleotide Sequence:	>OriGene 3' read for BC022526 unedited CCGCGGGCCGCAATTTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTGGTTACATCATATTT TATTTTATTACAGTCAATAAATACTTTTATATATGAAATCATTATAGAATACATATTT TAAGGCACTAAGTCTCAAAAGTGAAGGCACCTGTATACTTTGCTCTCTAATTTGACACA TAAAAACATGAGAGGTAATCTGCCAATTTATTTTGAGTTTGAAGCTTACAATTTAATA GAATAAATCAGGTAGCTTCAGAAATCAACTAAGAAAATTAACAGGCTAGAGTCTGAAC ATAATCTTGACATGGTTTGATTATCACTTGGTTTATTCTGATTACTCATTACCTTTTCA TTTATGAATCTAAACTGACAATTCACCTTTAGAGGTATAATAGAGCTATTAACCGATGA GACACATCTACTCATTCTCTGTAACCTCTGGACGTCGCATCTTGCTTTAAAATGCAATCA GTCATGTCTTGAGCCTCTTACTGAGCAGTGAATGTGTATCCGTGCACATTCATTCTCT TTCTGCTGGGATTNTCTTTGGAGTCAGTGGTGCTGTCCCTAAGCAGTTCTATGTGGGCTT CTTTCAGCATCTTTGTTTTGCATGGAGTATTCTCAGAGGTCACACTTTCNGTTTTGGTTC CCATAGCTTCTTAAACTGTTAGATCCTATCAAGNTGGTCCACCATGAAAACCTGCATC TCTTCAGTGAGCACATANGTGGNTTTTATTTAAGTACATNTCTATGAGGTCATCGCAC TGAGAGCACTCGNTNNTCTTTCATCTTGAAGATGTGCTGAGCTTCACTGTGCACGGGTC CTTTCAAATGTCCCTCACTAANTCANTNCATAAAAAGCCCATGCCCTATATCTCTATCAAG GGGTTTAGCTTCTGTTTTACATACTCANGAGATAATCCTACTTCTTGATTCTTGAGTC TCCATTCAATTATCACGACAGCACCACCGNCACTACT
Restriction Sites:	NotI-NotI
ACCN:	BC022526
Insert Size:	2000 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	BC022526.1 , AAH22526.1
RefSeq Size:	2107 bp
RefSeq ORF:	1500 bp
Locus ID:	64850
Cytogenetics:	4q25
Domains:	aminotran_3
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]