

Product datasheet for **SC100391**

AGXT2L2 (PHYKPL) (NM_153373) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGXT2L2 (PHYKPL) (NM_153373) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGXT2L2
Synonyms:	AGXT2L2; PHLU
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_153373, the custom clone sequence may differ by one or more nucleotides

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ATGGCCGACAGCCAGCGCCCGAAGGCCGACACGCTGGCCCTGAGGCAACGGCTCATCAGCTCTTCTGCA
GACTCTTTTTCCCGAGGATCCTGTAAAGATTGTCGGGCCCAAGGGCAGTACATGTACGATGAACAGGG
GGCAGAATACATCGATTGCATCAGCAATGTGGCGCACGTTGGGCACTGCCACCCTCTCGTGGTCCAAGCA
GCACATGAGCAGAACCAGGTGCTCAACACCAACAGCCGGTACCTGCATGACAACATCGTGGACTATGCGC
AGAGGCTGTCAGAGACCCTGCCGAGCAGCTCTGTGTCTATTTCTGAATTCTGGGTGAGAAGCCAA
TGACCTGGCCCTGAGGCTGGCTCGCCACTACACGGGACACCAGGACGTGGTGGTATTAGATCATGCGTAT
CACGGCCACCTGAGCTCCCTGATTGACATCAGTCCCTACAAGTTCGCAACCTGGATGGCCAGAAGGAGT
GGGTCCACGTGGCACCTCTCCAGACACCTACCGGGGCCCTACCGGGAGGACCACCCCAACCCAGCTAT
GGCCTATGCCAACGAGGTGAAACGTGTGGTCAGCAGTGCACAGGAGAAGGGCAGGAAGATTGCAGCCTTC
TTCGCTGAGTCTCTGCCAGTGTGGGAGGGCAGATCATTCCCCTGCTGGCTACTTCTCCCAAGTGGCAG
AGCACATCCGCAAGGCCGGAGGGGTCTTTGTTGCAGATGAGATCCAGGTTGGCTTTGGCCGGTAGGCAA
GCACCTCTGGGCCTTCCAGCTCCAGGAAAAGACTTCGTCCCTGACATCGTCACCATGGGCAAGTCCATT
GGCAACGGCCACCCTGTTGCCTGCGTGGCCGCAACCCAGCCTGTGGCGAGGGCATTGAAGCCACCGGCG
TTGAGTACTTCAACACGTTTGGGGCAGCCAGTGTCTGCGCTGTGGGCTGGCCGTCTGAATGTCTT
GGAGAAGGAGCAGCTCCAGGATCATGCCACCAGTGTAGGCAGTTCCTGATGCAGCTCCTCGGGCAGCAA
AAAATCAAACATCCCATCGTCGGGATGTCAGGGGTGTTGGGCTCTTATTGGTGGATCTGATCAAAG
ATGAGGCCACAAGGACACCAGCAACTGAAGAGGCTGCCTACTTGGTATCAAGGCTGAAGGAGAAGTACGT
TTTGCTGAGCACTGATGGCCCTGGGAGGAACATCCTGAAGTTAAGCCCCAATGTGCTTCAAGCTGGAC
AATGCACGGCAGGTGGTGGCAAAGCTGGATGCCATTCTGACTGACATGGAAGAGAAGGTGAGAAGTTGTG
AAACGCTGAGGCTCCAGCCCTAA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_153373 unedited TTAGACATTGTAACGACTCACTATAGGCGGCCGCGNAATTCGCACCAGGCGCGGCGACG TCTCCGCGTGGCGTCACGGCACCAGACTGACGGCCACCCACCATGGCCGCAGACCAGCGCC CGAAGGCCGACACGCTGGCCCTGAGGCAACGGCTCATCAGCTCTTCTGCAGACTCTTTT TTCCCCGAGGATCCTGTTAAGATTGTCCGGGCCAAGGGCAGTACATGTACGATGAACAGG GGGCAGAATACATCGATTGCATCAGCAATGTGGCGCACGTTGGGCACTGCCACCCCTCTCG TGGTCCAAGCAGCACATGAGCAGAACCAGGTGCTCAACACCAACAGCCGGTACCTGCATG ACAACATCGTGGACTATGCGCAGAGGCTGTCAGAGACCCTGCCGGAGCAGCTCTGTGTGT TCTATTTCTGAATTCTGGGTGAGAAGCCAATGACCTGGCCCTGAGGCTGGCTCGCCACT ACACGGGACACCAGGACGTGGTGGTATTAGATCATGCGTATCACGGCCACCTGAGCTCCC TGATTGACATCAGTCCCTACAAGTTCGCAACCTGGATGGCCAGAAGGAGTGGGTCCACG TGGCACCTCTCCAGACACCTACCGGGGCCCTACCGGGAGGACCACCCCAACCCAGCTA TGGCCTATGCCAACGAGGTGAAACGTGTGGTCAGCAGTGCACAGGAGAAGGGCAGGAAGA TTGCAGCCTTCTCGCTGAGTCTCTGCCAGTGTGGGAGGGCAGATCATTCCCCCTGCTG GCTACTTNTCCAGTGGCAGAGCACATCCGAGCCGGAGGGGTCTTTGTGCAATGA GATCCCAGTTTGCTNTGCCCGNTAGGGCAGCACTTTCTGGGCCTTCCAGCTCAGGGAA AGACTTTCGTCCCTGAATCGTCACCATGGGCAAGTCCATTGGGCACGGCCACCTGTTGCC TGCTGCCGCAACCAGCTGGTTGCG
Restriction Sites:	NotI-NotI
ACCN:	NM_153373
Insert Size:	1750 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:	<u>NM_153373.1</u> , <u>NP_699204.1</u>
RefSeq Size:	2010 bp
RefSeq ORF:	1353 bp
Locus ID:	85007
UniProt ID:	<u>Q8IUZ5</u>
Cytogenetics:	5q35.3
Domains:	aminotran_3

Protein Families: Druggable Genome

Gene Summary: This is a nuclear gene encoding a mitochondrial enzyme that catalyzes the conversion of 5-phosphonooxy-L-lysine to ammonia, inorganic phosphate, and 2-aminoadipate semialdehyde. Mutations in this gene may cause phosphohydroxylysineuria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]
Transcript Variant: This variant (2) encodes the longer isoform (2).