

Product datasheet for SC335926

AGXT2L2 (PHYKPL) (NM_001278346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGXT2L2 (PHYKPL) (NM_001278346) Human Untagged Clone
Tag:	Tag Free
Symbol:	PHYKPL
Synonyms:	AGXT2L2; PHLU
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335926 representing NM_001278346. Blue=Insert sequence Red=Cloning site Green=Tag(s)

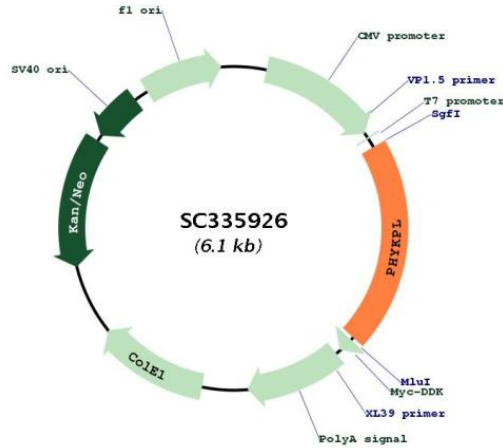
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CCTCTCGTGGTCCAAGCAGCACATGAGCAGAACCAGGTGCTCAACACCAACAGCCGGTACCTGCATGAC
AACATCGTGGACTATGCGCAGAGGCTGTGAGAGACCCGCGGAGCAGCTCTGTGTGTTCTATTTCTG
AATTCTGGGTGAGAAGCCAATGACCTGGCCCTGAGGCTGGCTCGCCACTACACGGGACACCAGGACGTG
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001278346

Insert Size: 1230 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:

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_001278346.1](#)

RefSeq Size: 2921 bp

RefSeq ORF: 1230 bp

Locus ID: 85007

UniProt ID: [Q8IUZ5](#)

Cytogenetics: 5q35.3

Protein Families: Druggable Genome

MW: 45.1 kDa

Gene Summary:

This is a nuclear gene encoding a mitochondrial enzyme that catalyzes the conversion of 5-phosphonoxy-L-lysine to ammonia, inorganic phosphate, and 2-aminoadipate semialdehyde. Mutations in this gene may cause phosphohydroxylysinuria. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2013]

Transcript Variant: This variant (3) uses an alternate splice site at the 5' exon and initiates translation at a downstream in-frame start codon, compared to variant 2. The encoded isoform (3) has a shorter N-terminus, compared to isoform 2.