

Product datasheet for PH307667

AGXT2L2 (PHYKPL) (NM_153373) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	AGXT2L2 MS Standard C13 and N15-labeled recombinant protein (NP_699204)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207667
Predicted MW:	49.7 kDa
Protein Sequence:	>RC207667 protein sequence Red=Cloning site Green=Tags(s)

MAADQRPKADTLALRQRLISSSCLFFPEDPVKIVRAQGQYMYDEQGAEYIDCISNVAHVGHCHPLVVQA
AHEQNQVLNTNSRYLHDNIVDYAQRLSETLPEQLCVFYFLNSGSEANDLALRLARHYTGHQDVVLDHAY
HGHLSSLIDISPYKFRNLDGQKEWVHVAPLPD TYRGPYREDHPNPAMAYANEVKRVVSSAQEKGRKIAAF
FAESLPSVGGQIIPPAGYFSQVAEHIRKAGGVFVADEIQVGFGRVKGHFQWAFQLQKDFVPDIVTMGKSI
GNGHPVACVAATQPVARAFEATGVEYFNTFGGSPVSCAVGLAVLNVLEKEQLQDHATSVGSFLMQLLGQQ
KIKHPIVGDVRGVGLFIGVDLIKDEATRTPATEEAAYLVSRLKENYVLLSTDGPGRNILKFKPPMCFSLD
NARQVVAKLDAILDMEEKVRSCETLRLQP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_699204</u>
RefSeq Size:	2098
RefSeq ORF:	1350
Synonyms:	AGXT2L2; PHLU



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Locus ID: 85007

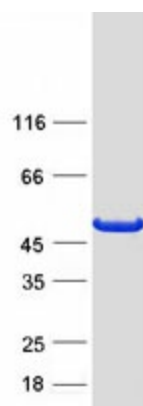
UniProt ID: [Q8IUZ5](#)

Cytogenetics: 5q35.3

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]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified PHYKPL protein (Cat# [TP307667]). The protein was produced from HEK293T cells transfected with PHYKPL cDNA clone (Cat# [RC207667]) using MegaTran 2.0 (Cat# [TT210002]).