

Recombinant Human PHYKPL Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PHYKPL-721H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AGXT2L2 MS Standard C13 and N15-labeled recombinant protein (NP_699204) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	49.7 kDa
AA Sequence	MAADQRPKADTLALRQRLISSSCRLFFPEDPVKIVRAQGQYMYDEQGAHEYDCISNV AHVGHCHPLVVQAAHEQNQVLNTNSRYLHDNIVDYAQLRSETLPEQLCVFYFLNSG SEANDLALRLARHYTGHDVVLDHAYHGHLSLIDISPYKFRNLDGQKEWVHVAPL PDTYRGPYREDHPNPAMAYANEVKRVVSSAQEKGRKIAAFFAESLPSVGGQIIPPAG YFSQVAEHIRKAGGVFVADEIQVGFGRVVGKHFQWAFQLQGKDFVPDIVTMGKSIGNG HPVACVAATQPVARAFEATGVEYFNTFGGSPVSCAVGLAVLNVLEKEQLQDHATSV GSFLMQLLGQQKIKHPIVGDVRGVGLFIGVDLIKDEATRTPATEEAAYLVSRLENYV LLSTDGPGRNLIKFKPPMCFSLDNARQVVAKLDAITDMEEKVRSCETLRLQPTRTR PLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

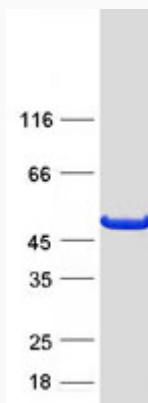
GENE INFORMATION

Gene Name	PHYKPL 5-phosphohydroxy-L-lysine phospho-lyase [Homo sapiens (human)]
Official Symbol	PHYKPL
Synonyms	PHYKPL; 5-phosphohydroxy-L-lysine phospho-lyase; PHLU; AGXT2L2; 5-phosphohydroxy-L-lysine phospho-lyase; 5-phosphonooxy-L-lysine phospho-lyase; alanine--glyoxylate aminotransferase 2-like 2; EC 4.2.3.134
Gene ID	85007
mRNA Refseq	NM_153373
Protein Refseq	NP_699204
MIM	614683
UniProt ID	Q8IUZ5

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SDS-PAGE

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