

## Product datasheet for PH313267

### ACPL2 (PXYP1) (NM\_001037172) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	ACPL2 MS Standard C13 and N15-labeled recombinant protein (NP_001032249)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC213267
Predicted MW:	55.2 kDa
Protein Sequence:	>RC213267 protein sequence Red=Cloning site Green=Tags(s)

MLFRNRFLLLLAALLAFVSLSLQFFHLIPVSTPKNGMSSKSRKRIMPDPVTEPPVTPVYEALLYCNI  
PSVAERSMEGHAPHFKLVSVHVFIRHGDRYPLYVIPKTKRPEIDCTLVANRKPYPKLEAFISHMSKGS  
GASFESPLNSLPLYPNHPLCEMGELTQTGVVQHLQNGQLLRDIYLKHKLLPNDWSADQYLETGKSR  
LQSGLLALYGFLPDFDWKKIYFRHQPSALFCSGSCYCPVRNQYLEKEQRRQYLLRLKNSQLEKTYGEMAK  
IVDVPTKQLRAANPIDSMCHFNVSFPCTRNGCVDMEHFVKIKTHQIEDERERREKLYFGYSLLGAH  
PILNQTIGRMQRATEGRKEELFALYSAHDVTLSPVLSALGLSEARFPRFAARLIFELWQDREKPEHSVR  
ILYNGVDVTFHTSFCQDHHKRSPKPMCPLENLVRVVKRDMFVALGGSGTNYDACHREGF

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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><a href="#">NP_001032249</a></u>
RefSeq Size:	3281
RefSeq ORF:	1440
Synonyms:	ACPL2; HEL124; XYLP



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Locus ID: 92370

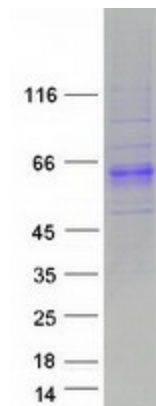
UniProt ID: [Q8TE99](#), [Q9NT50](#)

Cytogenetics: 3q23

**Summary:** Responsible for the 2-O-dephosphorylation of xylose in the glycosaminoglycan-protein linkage region of proteoglycans thereby regulating the amount of mature glycosaminoglycan (GAG) chains. Sulfated glycosaminoglycans (GAGs), including heparan sulfate and chondroitin sulfate, are synthesized on the so-called common GAG-protein linkage region (GlcUA $\beta$ 1-3Gal $\beta$ 1-3Gal $\beta$ 1-4Xyl $\beta$ 1-O-Ser) of core proteins, which is formed by the stepwise addition of monosaccharide residues by the respective specific glycosyltransferases. Xylose 2-O-dephosphorylation during completion of linkage region formation is a prerequisite for the initiation and efficient elongation of the repeating disaccharide region of GAG chains. [UniProtKB/Swiss-Prot Function]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified PXYLP1 protein (Cat# [TP313267]). The protein was produced from HEK293T cells transfected with PXYLP1 cDNA clone (Cat# [RC213267]) using MegaTran 2.0 (Cat# [TT210002]).