

## Product datasheet for **TP313267M**

### ACPL2 (PXYLP1) (NM\_001037172) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Homo sapiens acid phosphatase-like 2 (ACPL2), transcript variant 2, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC213267 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MLFRNRFLLLLALAALLAFVLSLQFFHLIPVSTPKNGMSSKSRKRIMPDPVTEPPVTPVVEALLYCNI  
PSVAERSMEGHAPHHFKLVSVHVFIRHGDYPLYVIPKTRPEIDCTLVANRKPYPHPKLEAFISHMSKGS  
GASFESPLNSLPLYPNHPLCEMGELTQTGVVQHLQNGQLLRDIYLLKHKLLPNDWSADQLYLETTGKSRT  
LQSGLALLYGFLPDFDWKKIYFRHQPSALFCGSCYCPVRNQYLEKEQRRQYLLRLKNSQLEKTYGEMAK  
IVDVPTKQLRAANPIDSMMLCHFCHNVSPCTRNGCVDMEHFVKIKTHQIEDERERREKKLYFGYSLLGAH  
PILNQITGRMQRATEGRKEELFALYSAHDVTLSPVLSALGLSEARFPRFAARLIFELWQDREKPSEHSVR  
ILYNGVDVTFHTSFCQDHHKRSPKPMCPLENLVRVFKRDMFVALGGSGTNYDACHREGF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	55.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



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RefSeq: [NP\\_001032249](#)

Locus ID: 92370

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

RefSeq Size: 3281

Cytogenetics: 3q23

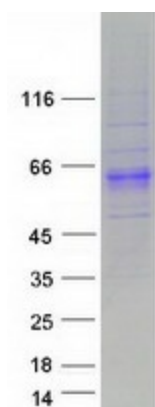
RefSeq ORF: 1440

Synonyms: ACPL2; HEL124; XYLP

**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]).