

## Product datasheet for TP507698

### Pxylp1 (NM\_153420) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse 2-phosphoxylose phosphatase 1 (Pxylp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR207698 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MLHRNRFLVLLALAGLLAFLSLSLQFFHLIPVSATKNGGSSKSRKRIMPDPVTEPPTVDPVYEALLYCNI PSVAEHSMEGHAPHHYKLVSVHVFIRHGDRYPLYAIPKTKRPEIDCTLVASRKPYHPKLEAFISHMLKGS GASFESPLNSLPLYPNHPLCETGELTQTGVVQHLLNGQLLRDIYLRKHKLLPNNWSSDQLYLESTGKSRT LQSGLALLYGFLPEFDWKKVYFKHQPSALFCSGSCYCPLRNQYLEKEQRRQYLLRLKNSDLERTYGEMAK IVDIPTKQLRAANPIDSMMLCHFCHNVSFPCSRSGCLGMEHFVKIKTHQIEDERERHEKLLYFGYSLLGAH PILNQTVNRMQRAASGWRDELFTLYSAHDVTLSPILSALGLLEARFPFAARLVFELWQDRQKPEHSVR ILYNGADVTFHTSFCHDFHKRSPKPMCPLENLVRVFKRDMFVALDGSSTNYDACHGEGA</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-MYC/DDK
Predicted MW:	54.9 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
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 after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_700469</a>
Locus ID:	235534



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UniProt ID: [Q8BHA9](#)

RefSeq Size: 3172

Cytogenetics: 9 E3.3

RefSeq ORF: 1443

Synonyms: 9430094M07Rik; Acpl2; BB177120; C130099A20Rik

**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]