

Recombinant Mouse Pxylp1 Protein, Myc/DDK-tagged

Cat. No. Pxylp1-5269M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length 2-phosphoxylose phosphatase 1 (Pxylp1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	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 β 1-3Gal β 1-3Gal β 1-4Xyl β 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.
Molecular Mass	54.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Pxylp1 2-phosphoxylose phosphatase 1 [*Mus musculus* (house mouse)]

Official Symbol Pxylp1

Synonyms Pxylp1; 2-phosphoxylose phosphatase 1; Ac; Acpl2; BB177120; 9430094M07Rik; C130099A20Rik; 2-phosphoxylose phosphatase 1; acid phosphatase-like 2; acid phosphatase-like protein 2; EC 3.1.3.2

Gene ID 235534

mRNA Refseq NM_153420

Protein Refseq NP_700469

UniProt ID Q8BHA9

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