

Product datasheet for **TP312021M**

XYLB (NM_005108) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human xylulokinase homolog (H. influenzae) (XYLB), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA	>RC212021 representing NM_005108
Clone or AA Sequence:	Red=Cloning site Green=Tags(s)

MAEHAPRRCCLGWDFSTQQVKVAVDAELNVFYEESVHFDRDLPEFGTQGGVHVHKDGLTVTSPVLMWVQ
ALDIILEKMKASGFDFSQVLALSGAGQQHGSYWKAGAQQALTSLSPLRLHQQLQDCFSISDCPVWMDS
STTAQCRQLEAAVGAQALSCLTGSRAZERFTGNQIAKIYQQNPEAYSHTERISLVSSFAASLFLGSYSP
IDYSDGSGMNLQIQDKVWSQAACLGACAPHLEEKLSPPVPCSVVGAISSYVQRYGFPPGCKVVAFTGD
NPASLAGMRLEEGDIAVSLGTSDTLFLWLQEPMPALEGHIFCNPVDSQHYMALLCFKNGSLMREKIRNES
VSRWSDFSKALQSTEMGNGGNLGFYFDVMEITPEIIGRHRFNTENHKVAAPGDEVVRLIEGQFMAKR
IHAEGLGYRVMSTKILATGGASHNREILQVLADVFDAPVYVIDTANSACVGSAYRAFHGLAGGTDVPPFS
EVVKLAPNRLAATPSPGASQVYEALLPQYAKLEQRILSQTRGPPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	58.2 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_005099](#)

Locus ID: 9942

UniProt ID: [O75191](#)

RefSeq Size: 3694

Cytogenetics: 3p22.2

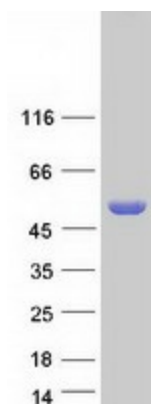
RefSeq ORF: 1608

Summary: The protein encoded by this gene shares 22% sequence identity with Hemophilus influenzae xylulokinase, and even higher identity to other gene products in C.elegans (45%) and yeast (31-35%), which are thought to belong to a family of enzymes that include fucokinase, gluconokinase, glycerokinase and xylulokinase. These proteins play important roles in energy metabolism. [provided by RefSeq, Aug 2009]

Protein Families: Druggable Genome

Protein Pathways: Metabolic pathways, Pentose and glucuronate interconversions

Product images:



Coomassie blue staining of purified XYLB protein (Cat# [TP312021]). The protein was produced from HEK293T cells transfected with XYLB cDNA clone (Cat# [RC212021]) using MegaTran 2.0 (Cat# [TT210002]).