

## Product datasheet for **TP312021L**

### **XYLB (NM\_005108) Human Recombinant Protein**

#### **Product data:**

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	Recombinant protein of human xylulokinase homolog (H. influenzae) (XYLB), 1 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	HEK293T
<b>Expression cDNA</b>	>RC212021 representing NM_005108
<b>Clone or AA Sequence:</b>	Red=Cloning site Green=Tags(s)

MAEHAPRRCCLGWDFSTQQVKWAVDAELNVFYEESVHFDRDLPEFGTQGGVHVHKDGLTVTSPVLMWVQ  
ALDIILEKMKASGFDFSQVLALSGAGQQHGSYWKAGAQQALTSLSPLRLHQQLQDCFSISDCPVWMDS  
STTAQCRQLEAAVGAQALSCLTGSRAZERFTGNQIAKIYQQNPEAYSHTERISLVSSFAASLFLGSYSP  
IDYSDGSGMNLQIQDKVWSQAACLGACAPHLEEKLSPPVPSVSGAISSYVQRYGFPPGCKVVAFTGD  
NPASLAGMRLEEGDIAVSLGTSDTLFLWLQEPMPALEGHIFCNPVDSQHYMALLCFKNGSLMREKIRNES  
VSRWSDFSKALQSTEMGNGGNLGFYFDVMEITPEIIGRHRFNTENHKVAAPGDEVVRLIEGQFMAKR  
IHAEGLGYRVMSTKILATGGASHNREILQVLADVFDAPVYVIDTANSACVGSAYRAFHGLAGGTDVPPFS  
EVVKLAPNRLAATPSPGASQVYEALLPQYAKLEQRILSQTRGPPE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Tag:</b>	C-Myc/DDK
<b>Predicted MW:</b>	58.2 kDa
<b>Concentration:</b>	>0.05 µg/µL as determined by microplate BCA method
<b>Purity:</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.



[View online »](#)

RefSeq: [NP\\_005099](#)

Locus ID: 9942

UniProt ID: [O75191](#)

RefSeq Size: 3694

Cytogenetics: 3p22.2

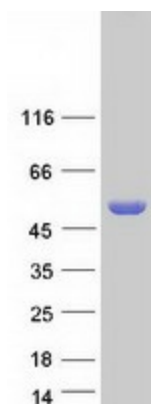
RefSeq ORF: 1608

**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]).