

# Recombinant Human XYLB cell lysate

**Cat. No.** XYLB-1941HCL    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                       |                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>        | Human                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Description</b>    | 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. |
| <b>Size</b>           | 100 ul                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage Buffer</b> | 1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)                                                                                                                                                                                                                                                                          |
| <b>Applications</b>   | Western Blot;                                                                                                                                                                                                                                                                                                                                                                      |

## GENE INFORMATION

|                        |                                                                                       |
|------------------------|---------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | XYLB?xylulokinase homolog (H. influenzae) [?Homo sapiens?(human) ]                    |
| <b>Official Symbol</b> | XYLB                                                                                  |
| <b>Synonyms</b>        | XYLB; xylulokinase homolog (H. influenzae); xylulose kinase; NP_005099.2; EC 2.7.1.17 |

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|----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene ID</b>             | 9942                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>         | NM_005108                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_005099                                                                                                                                                                                                                                                            |
| <b>MIM</b>                 | 604049                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>          | O75191                                                                                                                                                                                                                                                               |
| <b>Chromosome Location</b> | 3p22-p21.3                                                                                                                                                                                                                                                           |
| <b>Pathway</b>             | Glucuronate pathway (uronate pathway), organism-specific biosystem; Glucuronate pathway (uronate pathway), conserved biosystem; Pentose and glucuronate interconversions, organism-specific biosystem; Pentose and glucuronate interconversions, conserved biosystem |
| <b>Function</b>            | ATP binding; xylulokinase activity                                                                                                                                                                                                                                   |