



Recombinant Human Xylulose kinase (XYLB)

Product Code	CSB-EP026240HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O75191
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MAEHAPRRCC LGWDFSTQQV KVVAVDAELN VFYEESVHFD RDLPEFGTQG GVHVKDGLT VTSPVLMWVQ ALDIILEKMK ASGFDFSQVL ALSGAGQQHG SIYWKAGAQQ ALTSLSPDLR LHQQLQDCFS ISDCPVWMDS STTAQCRQLE AAVGGAQALS CLTGS RAYER FTGNQIAKIY QQNPEAYSHT ERISLVSSFA ASLFLGSYSP IDYSDGSGMN LLQIQDKVWS QACLGACAPH LEEKLSPPVP SCSVVGAISS YYVQRYGFPP GCKVVAFTGD NPASLAGMRL EEGDIAVSLG TSDTLFLWLQ EPMPALEGHI FCNPVDSQHY MALLCFKNGS LMREKIRNES VSRWSDFSK ALQSTEMGNG GNLGFYFDVM EITPEIIGRH RFNTENHKVA AFPGDVEVRA LIEGQFMAKR IHAELGYRV MSKTKILATG GASHNREILQ VLADVFDAPV YVIDTANSAC VGSAYRAFHG LAGGTDVPFS EVVKLAPNPR LAATPSPGAS QVYEALLPQY AKLEQRILSQ TRGPPE
Source	E.coli
Target Names	XYLB
Protein Names	Recommended name: Xylulose kinase Short name= Xylulokinase EC= 2.7.1.17
Expression Region	1-536
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life



of lyophilized form is 12 months at -20°C/-80°C.