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Product datasheet for RC212021L3V

XYLB (NM_005108) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	XYLB (NM_005108) Human Tagged ORF Clone Lentiviral Particle
Symbol:	XYLB
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_005108
ORF Size:	1608 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC212021).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005108.2, NP_005099.2
RefSeq Size:	3694 bp
RefSeq ORF:	1611 bp
Locus ID:	9942
UniProt ID:	O75191
Cytogenetics:	3p22.2
Protein Families:	Druggable Genome
Protein Pathways:	Metabolic pathways, Pentose and glucuronate interconversions
MW:	58.2 kDa

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Gene 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]