

Product datasheet for **RN208844**

Xylb (NM_001033704) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xylb (NM_001033704) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Xylb
Synonyms:	MGC124790
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN208844 representing NM_001033704
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGCGGAGCGGGCGGGCCCGCTGTTGCTGGGCTGGGACTTCAGCACGCAGCAGGTCAAAGTCGTTG
CTGTTGATGCAGAGCTGAACGTCTTCTATGAGGACAGTGTGCATTTTGACAGAGACCTTCCGGAATTTGG
AACTCAGGGCGGTGCCATGTACACAAGGACAGGCTGACGGTCACCTCTCCGGTCTGATGTGGTCCAG
GCTCTGGACCTGATCCTGGAGAAGATGAAGGCTTCCGGCTTTGACTTCTCTCAAGTTCTAGCCTTATCTG
GGGCGAGCCAGCAACACGGAAGCGTTTACTGGAAGACTGGAGCCAGCCTGGCGTTGTCAAGCCTGTCACC
GGCTCTCCTGTTGCATCAGCAGCTACAGGCTGCTTCTCCGTGACTGACTGCCGATATGGATGGACTCC
AGTACCACAGCCCAGTGTACCAGCTGGAGGCTGCGGTGGTGGGCCCAGGCTCTCAGTCGCTCACAG
GGTCCCGGCCCTATGAGCGATTTACGGGAACAGATCTCAAAGATTTTCCAGAAGAACCCTGAGGCCTA
CTCGAAGTCTGAGAGAATTTCTTGGTCAGTAGTTTTGCTGCTTCCGTGTTCTGGGTAGTACTCGCCC
ATCGACTACAGTATGGGCTCGGAATGAATTTGTTGCAGATCCAGGAAAAGTCTGGTCCCAGGCTTGCC
TGGATGCCTGTGCCCCCATTGAAGGAGAAGCTGGGTTACCGGTCCCTTCTGCTCTGTTGTGGGAGC
CATTTCTTCTACTACGTTACAGGCTATGGATTCCCTCCAGGATGCAAAGTGGTGGCCTTACTGGGGAC
AACCCGGCATCACTGGCCGGCATGAGGCTGGAGGAAGGAGATGTTGCGGTGAGCCTGGGCACCAAGTACA
CCCTATTTCTCTGGCTCCAAAAGCCCATGCCTGCCTTGAAGGGCACATCTTCTGCAACCCAGTGGATGC
ACGGCAATATATGGCGCTTCTGTGCTTTAAAAATGGCTCCCTCATGAGAGAGAAGATTCGAGACGAGTCT
GCTTCTGTTCTGGAACAAGTTCTCTAAGGCCCTGCAGTCCACTGAGATGGGGAACAACGGAAACTGG
GTTTTATTTCGATGTCATGGAGATCACCCCTGAGATTATCGGGTGCCATAGGTTTAATCCAGATAACAT
GGAGTCTCGGCATTCCCTGGAGATGTGGAGATCCGAGCGCTGGTTGAAGGCCAGTTCATGGCCAAGAGG
ATTCATGCAGAAGGCTAGGCTACCGAATCATGCCTAAGACAAAGATTCTGGCCACGGGAGGAGCCTCTC
ACAATAAAGACATCTTGCAGGTGCTTGCAGATGTTTTTGGGGCCCTGTGTATGTCATAGACACCACCAG
TTCAGCCTGTGTTGGCTCCGCATACCGAGCCTTTCACGGCCTTGCAGGAGGGACAGGTGTAGCCTTTTCA
GAGGTGGTAAAATCAGCACCACAGCCCAGCCTGGCTGCCACCCCAACCCAGGAGCTTCCAGGTTTATG
CAGCCCTTCTCCCTCGATATGCTGAAGTGAACAGAGAATCTTGTCCAAAGCTCGGGGCCCTCTGGAATG
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001033704

Insert Size: 1611 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001033704.1](#), [NP_001028876.1](#)

RefSeq Size: 3301 bp

RefSeq ORF: 1611 bp

Locus ID: 316067

UniProt ID: [Q3MIF4](#)

Cytogenetics: 8q32

Gene Summary: Phosphorylates D-xylulose to produce D-xylulose 5-phosphate, a molecule that may play an important role in the regulation of glucose metabolism and lipogenesis.[UniProtKB/Swiss-Prot Function]