

Product datasheet for **MR224257**

Xylb (NM_001033209) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xylb (NM_001033209) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xylb
Synonyms:	A1132223; A1327421
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR224257 representing NM_001033209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACGCACGGACGCACAGACGGCGGGGAAACCCCAAGGCCCTGGCGGAGCGCGGGGGCCCGCT
 GTTGCCTGGGCTGGGACTTCAGCACGCAGCAGGTTAAAGTTGTTGCTGTTGATGCAGAGTTGAACGCTCT
 CTATGAGGACAGCGTGCATTTTGACAGAGACCTCCGGAATTTGAACTCAGGGCGGTGCCATGTACAC
 AAGGACAGGCTGACGGTCACTCTCCGGTCTGATGTGGGTCCAGGCTCTGGACCTGATCTGGGAAGA
 TGAAGTCTTGGCTTTGACTTCTCAAGTTCTAGCCTATCTGGAGCAGGCCAGCAACACGGAAGTGT
 TTAAGGAACTGGAGCCAGCTGGCCCTGTCAAGCTTGTACCAGCTTCCATTACATCAGCAGCTG
 CAGAGCTGCTTCCATCAGCGACTGCCAATATGGATGGACTCCAGTACCACAGCCAGTGCCACCAGC
 TGGAGGCTGCCGTGGGTGGGCCCAGGCTCTCAGCTGCCTCACAGGATCCCGGCCATGAGCGTTTAC
 GGGGAACAGATAGCGAAGCTTTCCAGAAGAACCCTGAGGCCTACTCACACTCTGAGAGAAATTCCTTG
 GCAGCAGCTTTGCTGCCTCGCTGTTTCTGGGTGGTACTCGCCATCGACTACAGTGTGGTCCGGAA
 TGAATCTGTTGCAGATCCAGGAAAAAGTCTGGTCCCAGGCTTGTCTGGATGTCTGTGCTCCCATTTGGA
 GGAGAAGCTGGGCTACCGGTCCCTTCTGTTGAGTTGTGGGAACCATTTCTTCTACTACGTCCAGCGC
 TATGGATCCCTCCAGGATGCAAAGTGGTGGCCTTCAAGTGGGACAACCCAGCGTCACTGGCCGGCATGA
 GGCTGGAGGAAGGAGATATTGCGGTGAGCTGGGACCAGCGACACCCTGTTTCTTGGCTCCAGAAGCC
 CATGCCTGCCTTGAAGGCCACATCTTCAACCCAGTGGATCCGCAGCATTACATGGCGCTTCTATGC
 TTTAAAAACGGCTCCCTCATGAGAGAGAAGATCCGAGATGAGTCGGCCTCCTGTTCTGGAACAAGTTCT
 CTAAGCCCTGAAGTCCACGGCGATGGGAACAACGGAACCTGGGTTTTTATTTTCGATGTAATGGAGAT
 CACCCCTGAAATTATTGGGCGTCATAGGTTTAAATGCGGAAAACATGGAGGTTTCAGCATTCCCTGGGGAT
 GTGGAGATCCGAGCACTGATTGAAGGACAATTCATGGCCAAGAGGATTCATGCAGAAGGCCATAGGCTACA
 GAGTCATGCCAAGACAAAGATTCTGGCCACGGGAGGAGCATCTCACAATAAAGACATCTTGAGGTGCT
 TGCAGATGTTTTGGGGCCCCGTATACGTCATAGACACCAGTTCAGCCTGCGTCCGCATAC
 CGAGCTTTTTCATGGCCTTGACAGGAGGACAGGTGTGGCCTTTTCGGAGGTTGTGAAATCAGCACCTCAGC
 CCAGCTGGTGCACCCCCAACCCAGGAGCTTCCAGGTCTATGCGGCCCTTCCCTCGATACTGCTGC
 ACTGGAACAGAGAATCTGTCCACCGCCCAGAGGCTCTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR224257 representing NM_001033209
 Red=Cloning site Green=Tags(s)

MDARTHRRRAAGTPRALAERARRRCLGWDFSTQQVKVAVDAELNVFYEDSVHFDRDLPEFGTQGGVHVH
 KDRLTVTSPVLMWVQALDLILGKMKSSGFDFSQVLALSGAGQQHGSVYWKTGASLALSSLSPALPLHQQL
 QSCFISDCPIWMSSTTAQCHQLEAAVGGQAQALSCLTGSRA YERFTGNQIAKLFQKNPEAYSHSERISL
 VSSFAASLFLGGYSPIDYSDGSGMNLQIQEKVWSQAQLDVCAPHLEELGSPVPSVSVGTISSYVQR
 YGFPFGCKVVA FSGDNPASLAGMRLEEGDIAVSLGTSDFLFLWLQKMPALEGHIFCNPVD PQHYMALLC
 FKNGSLMREKIRDESASCSWNKFSKALKSTAMGNNGNLGFYFDVMEITPEIIGRHRFNAENMEVSAFPGD
 VEIRALIEGQFMAKRIHA EGLGYRVMPTKILATGGASHNKDILQVLADVFGAPVYVIDTSSACVGSAY
 RAFHGLAGGTGVAFSEVKSAPQPSLAATPNPGASQVYAALLPRYSALEQRILSTAQRPLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9091_d08.zip

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001033209

ORF Size: 1653 bp

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.

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_001033209.3](#), [NP_001028381.1](#)

RefSeq Size: 3860 bp

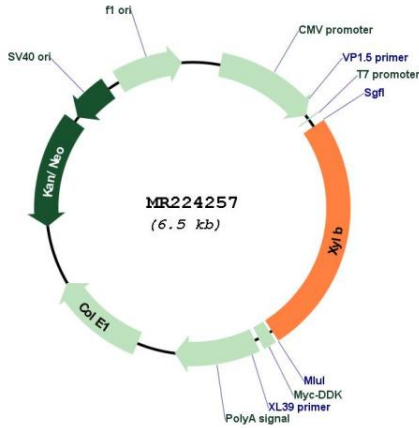
RefSeq ORF: 1656 bp

Locus ID: 102448

UniProt ID: [Q3TNA1](#)

Cytogenetics: 9 F3
MW: 59.5 kDa
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]

Product images:



Circular map for MR224257