

Product datasheet for **MR229219**

Xylb (NM_001199568) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Xylb (NM_001199568) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Xylb
Synonyms: A1132223; A1327421
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >MR229219 representing NM_001199568
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATCTGTTGCAGATCCAGGAAAAAGTCTGGTCCCAGGCTTGTCTGGATGTCTGTGCTCCCCATTGG
AGGAGAAGCTGGGCTCACCGTCCCTTCTGTTTCAGTTGTGGGAACCATTTCTTCTACTACGTCCAGCG
CTATGGATTCCCTCCAGGATGCAAAGTGGTGGCCTTCAGTGGGACAACCCAGCGTCACTGGCCGGCATG
AGGCTGGAGGAAGGAGATATTGCGGTGACGCTGGGCACCGACACCCCTGTTTCTCTGGCTCCAGAAGC
CCATGCCTGCCTTGAAGGCCACATCTTCTGCAACCCAGTGGATCCGCAGCATTACATGGCGCTTCTATG
CTTTAAAAACGGCTCCCTCATGAGAGAGAAGATCCGAGATGAGTCGGCCTCCTGTTCTGGAACAAGTTC
TCTAAGGCCCTGAAGTCCACGGCGATGGGGAACAACGAAACTTGGGTTTTATTTTCGATGTAATGGAGA
TCACCCCTGAAATTATTGGGCGTCATAGGTTTAAATGCGGAAAACATGGAGGTTTCAGCATTCCCTGGGGA
TGTGGAGATCCGAGCACTGATTGAAGACAATTCATGGCCAAGAGGATTCATGCAGAAGGCCTAGGCTAC
AGAGTCATGCCAAGACAAGATTCTGGCCACGGGAGGAGCATCTACAATAAAGACATCTGCAGGTGC
TTGCAGATGTTTTGGGCCCCCGTATACGTCATAGACACCAGTTCAGCCTGGCTCGGCTCCGCATA
CCGAGCTTTTCATGGCCTTGCAGGAGGACAGGTGGCCTTTTCGGAGGTTGTGAAATCAGCACCTCAG
CCCAGCCTGGCTGCCACCCCAACCCAGGAGCTTCCCAGGTCTATGCGGCCCTTCTCCCTCGATACTCTG
CACTGGAACAGAGAATCTTGCCACCGCCAGAGGCTCTGGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR229219 representing NM_001199568
Red=Cloning site Green=Tags(s)

MNLLQIQEKVWSQACLDVCAPHLEEKLGSPVSPSCSVVGTISSYYVQRYGFPPGCKVVFASGDNPASLAGM
 RLEEGDIAVSLGTSDTLFLWLQKPMPELEGHIFCNVPDPQHYMALLCFKNGSLMREKIRDESASCSWNKF
 SKALKSTAMGNNGNLGFYFDVMEITPEIIGRHRFNAENMEVSAPFGDVEIRALIEGQFMAKRIHAEGLGY
 RVMPKTKILATGGASHNKDILQVLADVFAPVYVIDTTSSACVGSAYRAFHGLAGGTGVAFSEVVKSAPO
 PSLAATPNPGASQVYAAALLPRYSALEQRILSTAQRPLE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

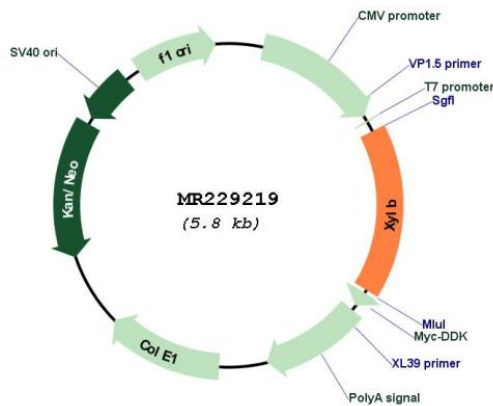
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001199568

ORF Size: 954 bp

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|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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: | <ol style="list-style-type: none">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_001199568.1 , NP_001186497.1 |
| RefSeq Size: | 3908 bp |
| RefSeq ORF: | 957 bp |
| Locus ID: | 102448 |
| UniProt ID: | Q3TNA1 |
| Cytogenetics: | 9 F3 |
| MW: | 34.8 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] |