

Product datasheet for MR212175

Xlr5b (NM_00111293) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Xlr5b (NM_00111293) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Xlr5b
Synonyms:	OTTMUSG00000017646
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212175 representing NM_00111293 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAAACAAGGAACAAAAGGCCATGAAGAAAAGTGGCAAGCACCAGAGGGTACATAAGACCCTCCCAT
CAGATGACTTCAAGAATCAGATGAAGTTAACCTGCTGACAAACCAGCAGTTGGTACCAGTGGGATGGG
CAGCCATTCTCAGGATCAGACATGCAAGAGGCCAGGGAGCCTGTTGAGAAGAAGATGCAGGATTTCAA
GGTGATGATGGTACAGGACTTCTTATGGAAAAGAGGAAACAGTTTGAAGAGGATGTAATGCCTCTTTCA
GAAGTCTGAATGAAAACCTCCAGAGCATTTTGAAGCTCAGCAGAATTCAGGCAGGAGCTTAAGTCTCT
GTACTGTGAAAGATTTGGGTGGTGTACCACAATTGGCTGGTTGAGATGGACAGAACAAGGGACCAAGAA
GAATACTTCAGTTTTATAACCCAGCAGCAAATGAAGATTTTACAGACGGCTATAGAGGACCATGAAACCA
AGCTCAAAAACGCTAAAGATATGTGTGACACATTTTTGAAGAAAGCCAACGACTTGAGTAAACGTCAAAA
AACCTTTATTGGTGGTGCAGCAGACTATTGTGGAGAAGGAAATCTCCAAGGTGCAGAACAGAGTAATCATG
GAAACCAAGATCAAGACATAGCCATGGTTGAAACATACCTTCAGTCCCTGATCCATGAAAGCTCTGAAG
AAACCATC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR212175 representing NM_001111293
 Red=Cloning site Green=Tags(s)

MSNKEQKAMKKSQKHQRVHKTLPSSDFKNSDEVNPADKPAVGTSGMGSHSSGSDMQEAREPVQKKMQDFK
 GDDGTGLLMEKRRQFEEDVNASFRSLNENLQSILKAQQNSRQELKSLYCERFGSVYHNWL VEMDRTRDQE
 EYFSFITQQMKILQTAIEDHETKLNKAKDMCDTFLKKANDLSKRQKTF IGGQQTIVEKEISKVQNRVIM
 ETQDDIAMVETYLQSLIHESSEETI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9073_c06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001111293

ORF Size: 708 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_001111293.1](#), [NP_001104763.1](#)

RefSeq Size: 1134 bp

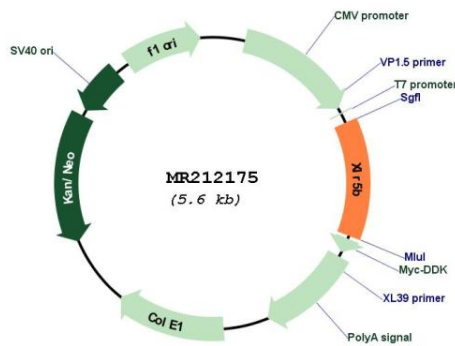
RefSeq ORF: 711 bp

Locus ID: 627081

Cytogenetics: X

MW: 27.2 kDa

Product images:



Circular map for MR212175