

## Product datasheet for **MR204659L4V**

### Ybx1 (NM\_011732) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Ybx1 (NM_011732) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ybx1
Synonyms:	1700102N10Rik; C79409; dbpB; EF1A; MSY1; mYB-1a; Nsep1; YB-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011732
ORF Size:	966 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR204659).
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. <a href="#">More info</a>
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:	<a href="#">NM_011732.2</a> , <a href="#">NP_035862.2</a>
RefSeq Size:	2191 bp
RefSeq ORF:	969 bp
Locus ID:	22608
UniProt ID:	<a href="#">P62960</a>
Cytogenetics:	4 D2.1



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**Gene Summary:**

Mediates pre-mRNA alternative splicing regulation. Component of the CRD-mediated complex that promotes MYC mRNA stability. Binds to splice sites in pre-mRNA and regulates splice site selection. Binds and stabilizes cytoplasmic mRNA. Contributes to the regulation of translation by modulating the interaction between the mRNA and eukaryotic initiation factors. Binds to promoters that contain a Y-box (5'-CTGATTGGCCAA-3'), such as HLA class II genes. Regulates the transcription of numerous genes. Promotes separation of DNA strands that contain mismatches or are modified by cisplatin. Has endonucleolytic activity and can introduce nicks or breaks into double-stranded DNA (in vitro). May play a role in DNA repair. Its transcriptional activity on the multidrug resistance gene MDR1 is enhanced in presence of the APEX1 acetylated form at 'Lys-6' and 'Lys-7'. Binds preferentially to 5'-[CU]CUGCG-3' motif in vitro (By similarity).[UniProtKB/Swiss-Prot Function]