

Product datasheet for **MC207520**

Rybp (NM_019743) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rybp (NM_019743) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rybp
Synonyms: 2410018J24Rik; DEDAF; YEAF1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC207520 representing NM_019743
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGC**C

ATGACCATGGGCGACAAGAAGAGCCCGACCAGGCCAAAAAGACAAGCGAAACCTGCCGAGACGAAGGCT
TTTGGGATTGTAGCGTCTGCACCTTTAGGAACAGCGCCGAAGCCTTTAAATGCAGCATCTGCGATGTGCC
GAAAGGCACCTCCACCAGGAAACCTCGCATCAATTCTCAGCTGGTGGCACAGCAGGTGGCACAGCAGTAC
GCCACTCCACCTCCCCCTAAGAAGGAGAAGAAGGAGAAGGTCGAAAAGCCTGACAAAAGAAAAGCCAGAGA
AAGACAAGGACATTAGCCCCAGTGTACCAAGAAAAACCAACAAGAAAACAAAACCAAGTCTGATAT
TCTGAAAGATCCTCCTAGTGAAGCTAACAGCATACAGTCTGCTAACGCTACAACAAGACCAGCGAAACA
AACCACACCTCAAGGCCCGGCTGAAGAATGTGGACAGGAGCACCACAGCAGTTGGCAGTAACTGTGG
GCAACGTACCCGTCATTATCACAGACTTTAAGGAAAAGACTCGCTCCTCCTCCACATCCTTCCACAGT
GACCTCCAGTGCAGGGTCAGAACAGCAGAACCAGAGCAGCTCGGGCTCAGAGAGCACAGACAAAGGCTCC
TCCCGCTCCTCCACGCCAAAGGGCGACATGTCAGCAGTGAATGATGAATCTTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_019743
Insert Size: 687 bp



[View online »](#)

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:	<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_019743.3 , NP_062717.2
RefSeq Size:	4376 bp
RefSeq ORF:	687 bp
Locus ID:	56353
UniProt ID:	Q8CCI5
Cytogenetics:	6 D3
Gene Summary:	Component of a Polycomb group (PcG) multiprotein PRC1-like complex, a complex class required to maintain the transcriptionally repressive state of many genes, including Hox genes, throughout development. PcG PRC1-like complex acts via chromatin remodeling and modification of histones; it mediates monoubiquitination of histone H2A 'Lys-119', rendering chromatin heritably changed in its expressibility (PubMed:22325148, PubMed:28596365). Component of a PRC1-like complex that mediates monoubiquitination of histone H2A 'Lys-119' on the X chromosome and is required for normal silencing of one copy of the X chromosome in XX females (PubMed:28596365). May stimulate ubiquitination of histone H2A 'Lys-119' by recruiting the complex to target sites (PubMed:22325148, PubMed:28596365). Inhibits ubiquitination and subsequent degradation of TP53, and thereby plays a role in regulating transcription of TP53 target genes (By similarity). May also regulate the ubiquitin-mediated proteasomal degradation of other proteins like FANK1 to regulate apoptosis (PubMed:17874297). May be implicated in the regulation of the transcription as a repressor of the transcriptional activity of E4TF1 (By similarity). May bind to DNA (PubMed:19170609). May play a role in the repression of tumor growth and metastasis in breast cancer by down-regulating SRRM3 (PubMed:27748911).[UniProtKB/Swiss-Prot Function]