

Product datasheet for **MC205878**

Mybbp1a (NM_016776) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mybbp1a (NM_016776) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mybbp1a
Synonyms:	AL024407; AU019902; p67MBP; P160; p160MBP
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC048858

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CTCAGCATGGCGGAGATGAAGAGCCCCACGAAAGCTGAGCCTGCGACTCCCAGAAAGCGGCGCAAAGCG
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CAAGTCCCCTGCAGAAAGCTGTGATGTCCTAGGAGACATTCAGACTTGCATCAAGAAAAGCATGGAGCAG
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 AA AAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_016776
- Insert Size:** 4035 bp
- 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:

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: [BC048858](#), [AAH48858](#)

RefSeq Size: 4215 bp

RefSeq ORF: 4035 bp

Locus ID: 18432

UniProt ID: [Q7TPV4](#)

Cytogenetics: 11 44.29 cM

Gene Summary: May activate or repress transcription via interactions with sequence specific DNA-binding proteins (PubMed:9447996, PubMed:11956195, PubMed:14744933). Repression may be mediated at least in part by histone deacetylase activity (HDAC activity) (PubMed:14744933). Acts as a corepressor and in concert with CRY1, represses the transcription of the core circadian clock component PER2 (PubMed:19129230). Preferentially binds to dimethylated histone H3 'Lys-9' (H3K9me2) on the PER2 promoter (PubMed:19129230). Has a role in rRNA biogenesis together with PWP1 (By similarity).[UniProtKB/Swiss-Prot Function]