

Product datasheet for MR211937

Mybbp1a (NM_016776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mybbp1a (NM_016776) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mybbp1a
Synonyms:	AL024407; AU019902; p67MBP; P160; p160MBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211937 representing NM_016776 Red=Cloning site Blue=ORF Green=Tags(s)

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GCC**CGATCGCC**

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CAGATCCCAGAGACGAAGCAGCACTTCTCCTCCCTTTGGACGACCGCAACCGTGGGGTCTTTGTCACTG
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Protein Sequence: >MR211937 representing NM_016776
 Red=Cloning site Green=Tags(s)

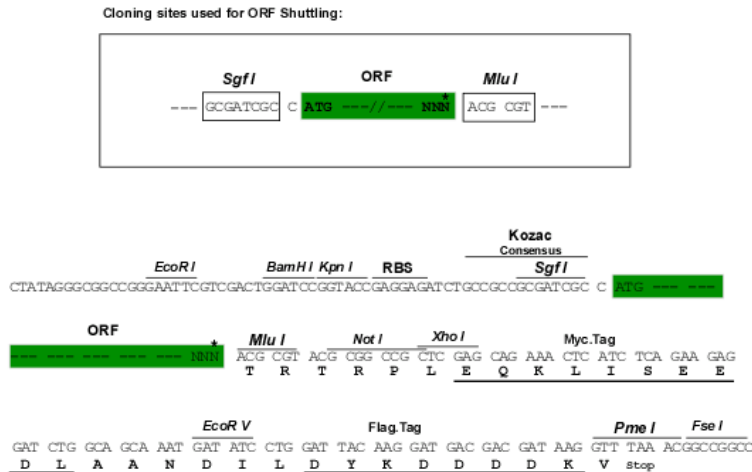
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 AGSQADASVALYFNASLYLLRVLKGNTNKRHQDGHKLHGADTEDSEDQAANCLDLDFVTRVYSASLES
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 PKLQKKKEKLSQVNGATPVSPIEPESKHHQEALSTKEVIRKSPHPQSALPKKRARLSLVSRSPLLQSG
 VKKRRVASRRVQTP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9101_f03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



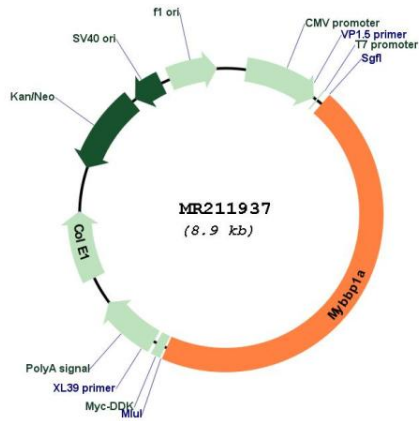
* The last codon before the Stop codon of the ORF

ACCN: NM_016776

ORF Size: 4032 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:	<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_016776.3
RefSeq Size:	4215 bp
RefSeq ORF:	4035 bp
Locus ID:	18432
UniProt ID:	Q7TPV4
Cytogenetics:	11 44.29 cM
MW:	152 kDa
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]

Product images:



Circular map for MR211937