

Product datasheet for MR227422

Mbp (NM_001025251) Mouse Tagged ORF Clone

Product data:

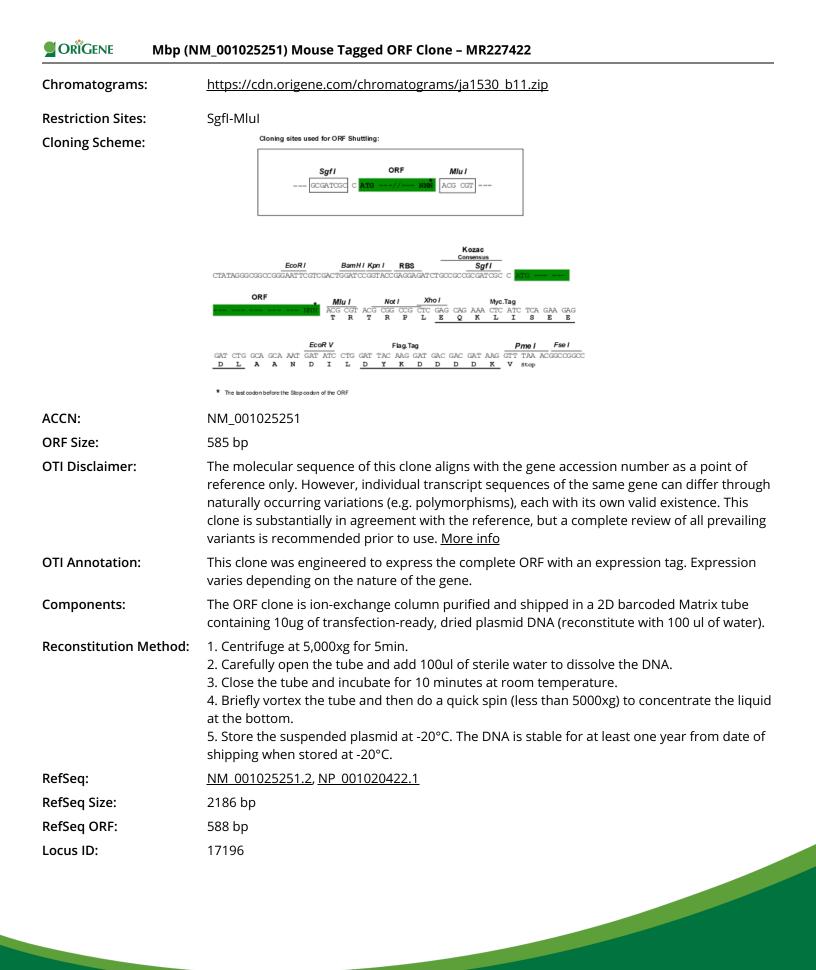
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	Mbp (NM_001025251) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Мbр
Synonyms:	C76307; goll; golli-mbp; Hmb; Hmbpr; jv; jve; mld; R75289; shi
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>MR227422 representing NM_001025251 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCATCACAGAAGAGACCCTCACAGCGATCCAAGTACCTGGCCACAGCAAGTACCATGGACCATGCCA GGCATGGCTTCCTCCCAAGGCACAGAGACACGGGCATCCTTGACTCCATCGGGCGCTTCTTTAGCGGTGA CAGGGGTGCGCCCAAGCGGGGCTCTGGCAAGGTACCCTGGCTAAAGCAGAGCCGGAGCCCTCTGCCCTCT CATGCCCGCAGCCGTCCTGGGCTGTGCCACATGTACAAGGACTCACACAGAGAACTACCCATTATGGCT CCCTGCCCCAGAAGTCGCAGCACGGCCGGACCCAAGATGAAAAACCCAGTAGTCCATTTCTTCAAGAACAT TGTGACACCTCGAACACCACCTCCATCCCAAGGGAAGGG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>MR227422 representing NM_001025251 Red=Cloning site Green=Tags(s)
	MASQKRPSQRSKYLATASTMDHARHGFLPRHRDTGILDSIGRFFSGDRGAPKRGSGKVPWLKQSRSPLPS HARSRPGLCHMYKDSHTRTTHYGSLPQKSQHGRTQDENPVVHFFKNIVTPRTPPPSQGKGRGLSLSRFSW GAEGQKPGFGYGGRASDYKSAHKGFKGAYDAQGTLSKIFKLGGRDSRSGSPMARR
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



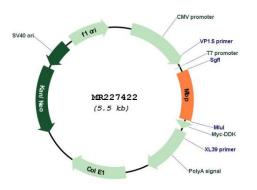
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	Mbp (NM_001025251) Mouse Tagged ORF Clone – MR227422
UniProt ID:	<u>P04370</u>
Cytogenetics:	18 55.84 cM
MW:	22 kDa
Gene Summary:	The protein encoded by the classic Mbp gene is a major constituent of the myelin sheath of oligodendrocytes and Schwann cells in the nervous system. However, Mbp-related transcripts are also present in the bone marrow and the immune system. These mRNAs arise from the long Mbp gene (otherwise called "Golli-Mbp") that contains 3 additional exons located upstream of the classic Mbp exons. Alternative splicing from the Golli and the Mbp transcription start sites gives rise to 2 sets of Mbp-related transcripts and gene products. The Golli mRNAs contain 3 exons unique to Golli-Mbp, spliced in-frame to 1 or more Mbp exons. They encode hybrid proteins that have N-terminal Golli aa sequence linked to Mbp aa sequence. The second family of transcripts contain only Mbp exons and produce the well characterized myelin basic proteins. This complex gene structure is conserved among species suggesting that the Mbp transcription unit is an integral part of the Golli transcription unit and that this arrangement is important for the function and/or regulation of these genes. Mutation of the Mbp gene is associated with the 'shiverer' and 'myelin deficient' phenotypes in mouse. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MR227422

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