

Product datasheet for MR223243

Mrap2 (NM_001177731) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

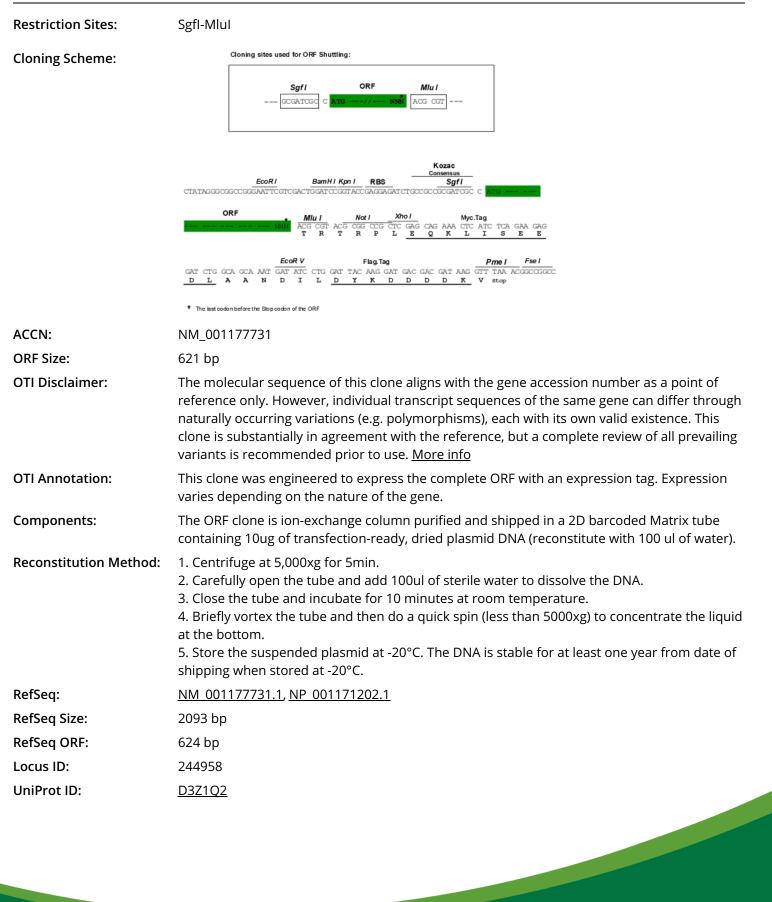
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Product Type:	Expression Plasmids
Product Name:	Mrap2 (NM_001177731) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mrap2
Synonyms:	BB633055
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR223243 representing NM_001177731 Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGAGATGTCTGCCCAGAGGCTGGCTTCTAACAGGACATCCCCACAGTCACCATCGAACTCTGACTACA CCTGGGAATACGAGTACTATGAGATCGGACCAGTTTCCTTTGAAGGACTGAAGGCTCATAAATATTCCAT TGTGATTGGATTCTGGGTTGGTCTTGCGGTCTTTGTGATTTTCATGTTTTTTGTGCTGACGTACAGGTGCCCCACACCAAGACAACGCGGAGTCCTCAGAGAGGAGGATCCCGCATGAACAGCTTTGTG CAGACTTCGGGAAGCCGCTGGAGTCAGACAACGCGGAGTCTTCCGTCAGGGCAACGAGGAGGTCCAGGTCTCT GTTCCACTGTTACATCAATGAAGTAGAACACTTGGACAGGGTTAAAGTTTGCCACCAAACAACAGCCATC GACAGTGATGTCCACCTCCAGGAAGCCAGCAGAAGCAGTGGGAGGCCTGAGGAGGAGCTAGCCAGGTTCA TGAAGTTTGACATCCACGAGAAGCCAGCAGAAGCCAGTGGGAGGCCTGAGGAGGAGCTAGCCAGGTTCA GGAAGCACCCGTTCTTCTAGAAAACAAGCCAGTTCCCAGACATCACGCATAGACCTGGAC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>MR223243 representing NM_001177731 Red=Cloning site Green=Tags(s)
	MEMSAQRLASNRTSPQSPSNSDYTWEYEYYEIGPVSFEGLKAHKYSIVIGFWVGLAVFVIFMFFVLTLLT KTGAPHQDNAESSERRFRMNSFVSDFGKPLESDKVFSRQGNEESRSLFHCYINEVEHLDRVKVCHQTTAI DSDVHLQEASRSSGRPEEELARFMKFDIPNFVNTEQSSFGEDDLLISEAPVLLENKPVSQTSRIDLD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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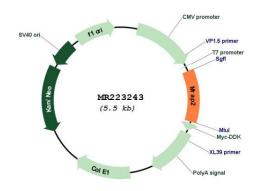
Source Content of Cont



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	Mrap2 (NM_001177731) Mouse Tagged ORF Clone – MR223243
Cytogenetics:	9 E3.1
MW:	23.7 kDa
Gene Summary:	Modulator of melanocortin receptor 4 (MC4R), a receptor involved in energy homeostasis. Plays a central role in the control of energy homeostasis and body weight regulation by increasing ligand-sensitivity of MC4R and MC4R-mediated generation of cAMP. May also act as a negative regulator of MC2R: competes with MRAP for binding to MC2R and impairs the binding of corticotropin (ACTH) to MC2R. May also regulate activity of other melanocortin receptors (MC1R, MC3R and MC5R); however, additional evidence is required in vivo. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR223243

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