

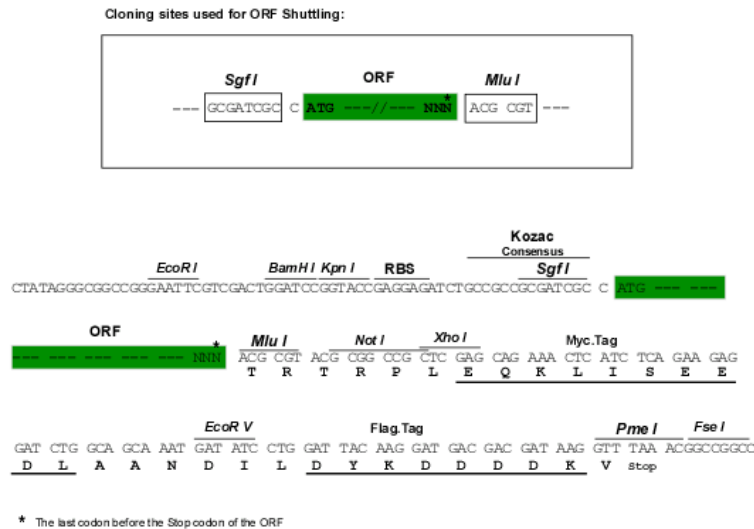
Product datasheet for **RC235700**

MRAP (NM_001285394) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRAP (NM_001285394) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MRAP
Synonyms:	B27; C21orf61; FALP; FGD2; GCCD2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235700 representing NM_001285394 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGTCCTGGTCCGCCTCCCCGAGATGAGGAACAGCCCCAAGCACCACCAAAACATGCCCCTGGAGTCACGGCCTCAACCTCCACCTCTGCATCCAGAAGTGCCTGCCGTGCCACAGGGAACCCCTGGCAACCTCACAGGCTCAGGCGAGCTCAGTGGAGCCAGGAGCAGAACTGGCCCTGACCAGCCGCTACGACAGGAGAGCTCCTCCACCTTGCCCTCGGGGGTTTCCAGACCCACCCACTCTCCTCTGGGAACAGCCCTCAATGGGGTCCCCTCGTCAGGAGCAAGCCAGCGAGCCTCCCCTGGAGACAGGACCTCTCAATTGCAGAGC ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC235700 representing NM_001285394 Red=Cloning site Green=Tags(s) MSWSASPMRNSPKHHQTCPSHGLNLHLICIQKCLPCHREPLATSQAQASSVEPGSRTGPDQPLRQESSSTLPLGGFQTHPTLLWELTLNGGPLVRSKPSEPPPGDRTSQLQS TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	SgfI-MluI


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Cloning Scheme:


ACCN: NM_001285394

ORF Size: 339 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:

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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

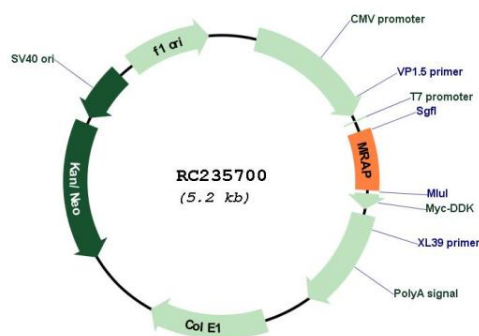
RefSeq: [NM_001285394.2](#)

RefSeq Size: 876 bp

RefSeq ORF: 342 bp
 Locus ID: 56246
 UniProt ID: [Q8TCY5](#)
 Cytogenetics: 21q22.11
 Protein Families: Transmembrane
 MW: 12.8 kDa

Gene Summary: This gene encodes a melanocortin receptor-interacting protein. The encoded protein regulates trafficking and function of the melanocortin 2 receptor in the adrenal gland. The encoded protein can also modulate signaling of other melanocortin receptors. Mutations in this gene have been associated with familial glucocorticoid deficiency type 2. Alternatively spliced transcript variants have been described. [provided by RefSeq, Dec 2009]

Product images:



Circular map for RC235700