

Product datasheet for **SC214488**

MRAP2 (NM_138409) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	MRAP2
Synonyms:	bA51G5.2; C6orf117
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PS100062)
ACCN:	NM_138409
Insert Size:	1430 bp



Insert Sequence:

>SC214488 3'UTR clone of NM_138409

The sequence shown below is from the reference sequence of NM_138409. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

```

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
TCCCAGACCTCACACAAAGACCTGGATGAGAAACATGCTCTGTAAGGGTCTTCTCTGAAGATGTGGAT
TCTATCTTTATGTAGCAAGAAATCTACATCCACCAAAATTGTGTGTGTTTGGGGGAGAGAGAGACATAG
AGATAGAGACAGAGAGGAGAGAGAGACCCCTTTAGAAGAGAGCTGAGCTGATTAAGCTGAGTGGTTT
TTTGTGTTTGTGTTTGTGTTTAAATACATTTGGAGCTTTGGGAGTATTAAGTATTTACACCAAG
CTTGTCACACCCGTGGCATGTGTCCAGGACAGCTTTGAATGTGGCCCAATACAAATTTAAACTTTAT
TAAACATGAGTTTGTGTTTGTGTTTAAAGCTCGTCAGCTATCGTTAGTGTAGTG
TACTTTATGTGTGGCCCAAGACAACCTTCTTCCAGTGTGGCACAGGGAAGCTAAAAGATTGGACACCT
CTGATTTATACTAGCTCGTTTGTGTTGAAAAATTTGGCCAAATACCTATTGTCAGCATTCTTGGGT
GAGGATTAGCTACCATGTTCTAATCTGGCCCTGCCACTACTATGCTCTACCTTTGGTGAGTTGCTTTA
CCTCTCTGGGCTGCCCCATTTTAACTGTAGGTTGACAGGTCTAGAGTGATCCATCCCACCTCTAATAT
TTTGTGAATTTATGACTTTGCCTTCAGATGAGGCTGAGCTATACATAAAACAGTATAAACTAGGGTACT
GCCTCGTATCTCTGTAGGCTCTCTCAAATCTCTGTACCTTCCACTTAACCCTAATTGAGCCAAGCTTT
AGTCAGGGGATCTGGTTGCTACCAAGATGTCAGGAGACTCATCTTACACAGTCATGGTGGCCAATGTT
TCTGGTGGGTTGTGCTGAAACAGCTCTTCTGAGAACTTCCAACCAACCATGCTTAACCTGGAGACAGC
CATCCCTGCCTCAGAATAAGTACCAATTCGTAGTACATGTATGGTACTCTTGCCCCAAGAAATGTTA
GGAAGCTTGTGAGTGAATGAGAGGAGTGCCTTCTGGGTATCTGTGTTGGTGATCTGTGCCATTG
GCTACAGAACAAAGAAAAATACTATTGCCATGCTATTACCTTGGCAGATGTGTAGGTGATGTCATCTG
GCTTTGAGCTGAGATGGTCAGTGGGTTGTAATTCCTCCACTAGCAGATATTCAGGGTGGCCTGAGTTAT
GTAAACAAGTGAGCAACACAGCTTTAATTTTCATGGAGGAATCAAAGCTGCACACTGGTATTAACAAC
TTGATTTTGGCAGACAGTTGCATGCATGGCAAGCTGTTAACCTCTGGGTGGCATTTTCATTATGAATT
TGTTACCACTGTCTTGCTTAAGCTACAAAATAAATGCATTTGACTGCA
ACGCGTAAGCGGCCGCGGCATCTAGATTGCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTCTATGAAAGG
    
```

Restriction Sites:

Sgfl-MluI

OTI Disclaimer:

Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components:

The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note:

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

RefSeq:

[NM_138409.4](#)

Summary:

This gene encodes a protein that modulates melanocortin receptor signaling. The encoded protein has been shown to interact with all known melanocortin receptors and may regulate both receptor trafficking and activation in response to ligands. Mice lacking a functional copy of this gene exhibit severe obesity and a mutation in this gene may be associated with severe obesity in human patients. [provided by RefSeq, Oct 2016]

Locus ID: 112609

MW: 54