

Product datasheet for **SC204330**

C2ORF47 (MAIP1) (NM_024520) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: C2ORF47 (MAIP1) (NM_024520) Human 3' UTR Clone
Symbol: C2ORF47
Synonyms: C2orf47
Mammalian Cell Selection: Neomycin
Vector: pMirTarget (PS100062)
ACCN: NM_024520
Insert Size: 336 bp
Insert Sequence: >SC204330 3'UTR clone of NM_024520
 The sequence shown below is from the reference sequence of NM_024520. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CGGATTGAACACTCAAAATTATTAGAATATTTTCTTGAAAAATCAGCTTATGGACTTTAGCAGTTGC
TGTGAAAAACTAAGGAAGAAAAATTTGGGGTCATTTGATCTTCACTTAATCTAAGTCTGTGAATTACT
TTTATATTATTTTAAAACTCCTTGCAGTATATTGGCATGATACAGTAAAAGCATTTCACAGATTG
TTATCACCTTCTTTAAAAGAAGTCAAAATTTAAAAATACAATAGCACGTTGTTGGTGTGATATTCAAT
AACATTTCCAATGCTACATATAATTTATAGACATAATAAAGAAGGTATTGAAAAACTA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

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.

RefSeq: [NM_024520.3](#)



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Summary: Promotes sorting of SMDT1/EMRE in mitochondria by ensuring its maturation (PubMed:27642048). Interacts with the transit peptide region of SMDT1/EMRE precursor protein in the mitochondrial matrix, leading to protect it against protein degradation by YME1L1, thereby ensuring SMDT1/EMRE maturation by the mitochondrial processing peptidase (PMPCA and PMPCB) (PubMed:27642048).[UniProtKB/Swiss-Prot Function]

Locus ID: 79568

MW: 13