

Product datasheet for **SC122377**

C2ORF47 (MAIP1) (BC017959) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C2ORF47 (MAIP1) (BC017959) Human Untagged Clone
Tag:	Tag Free
Symbol:	C2ORF47
Synonyms:	chromosome 2 open reading frame 47; FLJ22555
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for BC017959 edited
 ATAAAAATGGCGCTGGCCGCTCGTTTGCTACCCAGTTCCTGCACTCTCGGTCGCTGCC
 TCGGGGCGCGTCCGACTCCGACTCCTGCTGTGGCCGAGGTGAGGCTGCCGTCGGCCACA
 CTTTGCTACTTCTGCCGCTGTGCCTCGCTTGGGAGCGCGTTATTTCCACGAAGCGCT
 AGGGCCTTGGCAGCCTCGGCGCTACCTGCCAGGGCTCCCGTGGCCAGTCTCAGCAGC
 CCGGGACTCCCCGACGCTTCGCTTCTTTCCCTGCCTGCCCTCAGCGCAGCTACAGCAG
 GAGGAGAAGCCCCAGCAGCACCAGAAAACCAAGATGATCGTCCTGGGATTCTCCAACCC
 ATCAACTGGGTTAGGACTCGAATTAAGGCCTTCCTTATCTGGGCCTATTTGACAAAGAG
 TTCAGCATCACAGAGTTCTCCGAGGGAGCGAAGCAGGCTTTTGTCTATGATCCAAGTTG
 CTGTCACAGTGTAAATTTGATCTGTTGGAAGAAGTGTGGCCAAAGAGGTGCTACATGCA
 TTGAAAGAAAAGTTACTTCACTACCTGACAACCATAAAAAATGCCCTTGCTAACATA
 GATGAAATTGATTTACATCAACAGGAGACATCTCCATTTACTATGATGAGAAAGGAAGG
 AAGTTTGTAAACATCCTGATGTGCTTTTGGTATCTAACCAAGTGCCAACATCCCCAGTGAA
 ACTTTAAGAGGAGCCAGTGTATTCCAGGTTAAGTTGGGGAATCAGAAATGTGGAACTAAA
 CAACTTCTAGTCAAGCTATGAGTTTCAGAGGGAGTTCACACAAGGAGTAAAGCCTGAC
 TGGACCATTGCACGATTGAACACTCAAATATTAGAATAATTTTCTGGAAAAATCAG
 CTTATGGACTTTAGCAGTTGCTGTGAAAACTAAGGAAGAAAAATTTGGGGTCAATTTGA
 TCTTCACTTAATCTAAGTCTGTGAATTAATTTTATATTATTTGAAATACTCCTTGCAGT
 ATATTGGCATGTACAGTAAAAGCATTTTCCACAGATTGTTATCACCTTTTAAAAGAA
 GTCAAAAATTTAAAAAATACAATAGCACGTTGTTGGTGCATATTCAATAACATTTCCAAT
 GCTACATATAATTTTATAGACATAATAAAGAAGGTATTGAAAAACCTAAAAA
 AAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC017959 unedited CGCGATCGGATTTGTATACGACTTATATAGGCGGCGCGGAATTCGCCATTACGGCCGGG GATAAAATGGCGCTGGCCGCTCGGGTGTACCCGAGTTCCTGCACTCTCGGTGCTGCC CTGCGGGCCGCTCCGACTCCGGACTCCTGCTGTGGCCGAGGTGAGGCTGCCGTCGGCCAC ACTTTGCTACTTCTGCCGCTGTGCCTCGGCTTGGGAGCGGCGTTATTTCCACGAAGCGC TAGGGCCTTGGCAGCCTCGGCGCTACCTGCCAGGGCTCCCGGTGGCCAGTGTCTAGCAG CCCGGACTCCCGCAGCCTTCGCTTCTTTCCCTGCCTGCCCTCAGCGCAGCTACAGCAC GGAGGAGAAGCCCCAGCAGCACCAGAAAACCAAGATGATCGTCCTGGGATTCTCCAACCC CATCAACTGGGTTAGGACTCGAATTAAGGCCTTCTTATCTGGGCCTATTTGACAAAGA GTTCAGCATCACAGATTCTCCGAGGGAGCGAAGCAGGCTTTTGCTCATGTATCCAAGTT GCTGTCACAGTGGAAATTTGATCTGTTGGAAGAAGTGTGGCCAAAGAGGTGCTACATGC ATTGAAAGAAAAGTTACTTCACTACCTGACAACCATAAAAAATGCCCTTGCTGCTAACAT AGATGAAATTGATTTACATCAACAGGAGACATCTCCATTTACTATGATGAGGAAGGAAG GAAGTTTGTAAACATCCTGATGTGCTTTTGGGATCTAACCAGTGGCCACATCCCCAGTGA AACTTTAAGAGGGAGCAGTGTATTTAGGTTAATTNGGGGAATACAGATGTGGAAACTAA ACACCTCTTAGTGGCAGCTATGAGGTCCAGAGGGGGTTCCACCAGGAGTGAAGCCCTGC TGG
Restriction Sites:	Please inquire
ACCN:	BC017959
Insert Size:	1214 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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:	<ol style="list-style-type: none"> 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.
RefSeq:	<u>BC017959.1</u> , <u>AAH17959.1</u>
RefSeq Size:	1214 bp
Locus ID:	79568
Cytogenetics:	2q33.1
Gene 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]