

Product datasheet for **SC205433**

MIOS (NM_019005) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	MIOS
Synonyms:	MIO; Sea4; Yulink
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_019005
Insert Size:	1870 bp



Insert Sequence:

>SC205433 3'UTR clone of NM_019005

The sequence shown below is from the reference sequence of NM_019005. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAGCGATCGCC
CTGGTACCTGCAGAGACTGTCCAGCCATAAATGTTACCACCTTAAGAGAACCCTTCAAGTGTGGAGCT
TTCTAGTAGGTGTCCTTCATAGCTCAGAAACATACCTCAGAACAGCCATTTCATGACTTACCTGTAATG
GGAAAAATAATCATTCTATCAGATCAGCAGTTTTGTATGTTGAGTGATTTGATATGCTTCACAGAGAC
AAATGCTGCCAAAAATAACATCGAAGTATAGACATGAGTTCTGTTGAGCAGGTTGAAAAGTCTGATTGA
GAAAACTTTCTAAGTTTGGTTGAAATTATGAACACTCTAGAAGCAGAAATTTCTGGAAGAGCCAAAGAA
CAGACTTTGAGCCTATATCTTCAAAGCTGAACTGGATATCTTCAATAAAATATGTGCACTTTTAAAA
TAAATGACTAATTCTGTGATTCAGACAATAGTTTTAAGTTCAGCTGTGCTTAGATTTCTTCAGATTA
ATTTAAATTACAGATTTTACTTTTAGAATTGCAGAGCCCTATCCCACTGGAGAATATTTTTAT
TACTGTCTGTTATATATGTGTCTATGTGTGTATATTTATGTGTGTATGTATAAATATGATTTTT
TAAAGGAGCCTTTCCCTCCTTTGATTTTAAAGATAAGCAATCTTTTGGCATAACATTATCGTCTTCTA
GAAAAGCCAAGATGAAGAACTATCTTACAACCTTTTCTCTCAGTAGAGAAAAACATGTACCATTTCA
GGTGAACATACAAAATTTTCACTTTTCTACCTTTTGCCTTCCAATGTCCTGATTTGTCTTCAAAGTTTT
TCTCCATATTAATTTGTCACTTATCTCTACCTGAGAACATTTTACTGCATACAAAGTCTATGCAA
GATTATATGTAAGTACCATTTAGTATAATCTATGTGCTGTTTCTGTGCTGTCAAATTCCTGCTGAT
TTGGAATACCATACCTGTTCTTTCCAAGGTAGACTAGGAAGTGTGGGAAATGGGGTCACTTCAGAG
ACCATTTTAGATGAAGTTTTTAAATGTAAGTGTACTGGGCTAAGTCAGGTACTTTATTTAAACAT
TTTTTTTTCTCATTTCATAGCTAGATAGTTGTAAGAGAAATACAAAGAATTTACAAGATGCTTCTGT
CATCTGCCATATGCAGAGGGACTGAACTAGGAATTTTGTAGTTGAAGCTGTGTTCAAAAGAGTAAATC
TTATTTTATAGATTTTGGAGAAATAAAACAAGAATTTTAAAGAGCTTTGATTAGCAGTTTTGCCTTAT
AAAACTAAGATTTGTCAGATTAGTTTGAAGTGAACCTAAATATTTAAAGTAGATTAATTTATTTTT
TACCTTGAGTGTCTGATACATAAAACCTTTTCTAGGAAAACATTGGAAGTAGTACATTTTACTCTAA
ATGTCTCACCTGCATGACAGTCTTTCAAATGAAAGACATGGTAATTGCAATTTTTTTTTAAAGATTGC
TATTAAGGGTACTTTTCCAGCCTTCATTTGAGTAAATCTTAATTGATTTCATTTTATTAACATATACC
CTTTACCTTTAATATTTTCAATTTGAAGTGTCTTTCAAACCTTACTGTCTTAAATATGAAAGTCAGCTTT
AAGTAATGTGAGACTCATATGCATTTTCTATTAGCTAAAGTAAATGTAATTTATCTCAAATA
GTTACAAGTTTGGAAATACAGTATAAAACATGAATGTAAAGTCTATTATGTAATATGCTTATTTGTAA
TCCTAATATATGAGGGTGACATTTTAAAGATTGTATGTATGTGTCAACCTCTTAAATGTTTTCTGTGAA
GCCAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTCTATGAAAGG
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Restriction Sites:

SgfI-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_019005.4

Summary:	As a component of the GATOR subcomplex GATOR2, functions within the amino acid-sensing branch of the TORC1 signaling pathway. Indirectly activates mTORC1 and the TORC1 signaling pathway through the inhibition of the GATOR1 subcomplex (PubMed:23723238). It is negatively regulated by the upstream amino acid sensors SESN2 and CASTOR1 (PubMed:25457612, PubMed:27487210).[UniProtKB/Swiss-Prot Function]
Locus ID:	54468
MW:	73.8