

Product datasheet for **SC210906**

MDS028 (ITFG2) (NM_018463) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Symbol: MDS028

Synonyms: FGGAP1; MDS028

Mammalian Cell Neomycin

Selection:

Vector: pMirTarget (PSI00062)

ACCN: NM_018463

Insert Size: 913 bp

Insert Sequence: >SC210906 3'UTR clone of NM_018463
The sequence shown below is from the reference sequence of NM_018463. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon **Red**=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GCTCCCTCAAGCCTCCAGGATCCCACCTAGCTGTACTTGCCTCATAGCTGGTGAAGGATTCTTCTGAAC
CCCCACCTACCCCTAAAGGTATCTGTGGTATTGGCAGGATAGGGAATATGCATTACAGAAATGCAGG
ATTTGACTCTGGGCATGAAAGATGGCAGCAGCCCTAGGGTGACCGTGAACCTATAGACCTCGCAGTCTTT
TCGGTGAAAGAAGAGACAAGTTGACCTCTGCCCATTTCTTATGGACCTCACCCATCATGCCAGCAGG
GTCATAGGACCTGGCCTTGTTCAAATCATCTGGGACATGACCACTCCCACTGTCACTGTGTTGAA
AACAGAGACTTGTGTGTGGCCCAACACCCATAAGGAAACCAGGCTTTAGGCCAGGGGAGCAGTGG
AGGTAAGGGCTCCACCCATCTTAAGCTCTGTCTCCGTGGCACAATTCCAAGTTCTTGACGTTAGTAA
TTGTTAAAGGAATGGCAAATGTTTTGTTTGAAGGATCTTTCTACAGTCTGGTCTTACCCATGTTCTT
AGCAACCTGAGATGATTTTCTCCATTTACCAAAGCAGCCGGGTCAAGTCTTCTCACGTTGCCGTAT
TCTTCAGGTATTAGTCAGCTTCAGAAGCCCTGCTCCCATTTTCCACCCACCCATCCCCCATAAAACA
GCTTATTGTCTCCAAGACAATAGACATTTAAAAATGTGATGCGGGTTTATGATCCAGACCACAATCAGAA
TTATATCTTGGGTCAATTTATGTGCCGTCTGTTCTTGATTCTCTATGCTCTAAATCGGTGTTTTTCAAAC
TGTGGTTGCAGTCCTTTGGTGGATTATGGCCAGCATTTTTTAAATAGGTAGAATAGAATAAAGTAAAT
AGAAAATAGCAGAGTA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG
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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:	<u>NM_018463.4</u>
Summary:	As part of the KICSTOR complex functions in the amino acid-sensing branch of the TORC1 signaling pathway. Recruits, in an amino acid-independent manner, the GATOR1 complex to the lysosomal membranes and allows its interaction with GATOR2 and the RAG GTPases. Functions upstream of the RAG GTPases and is required to negatively regulate mTORC1 signaling in absence of amino acids. In absence of the KICSTOR complex mTORC1 is constitutively localized to the lysosome and activated. The KICSTOR complex is also probably involved in the regulation of mTORC1 by glucose.[UniProtKB/Swiss-Prot Function]
Locus ID:	55846
MW:	34.9