

Product datasheet for **SC123153**

MITD1 (NM_138798) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MITD1 (NM_138798) Human Untagged Clone
Tag:	Tag Free
Symbol:	MITD1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_138798 edited

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CCCCGCTCAACTTCATCCTGGGTTGAGGCGGAGGAGAACTTCCAGAATTATGGCGAAGTCC
GGGCTGAGGCAGGACCCGAGAGCACAGCTGCAGCCACTGTGCTAAAGCGGGCAGTAGAA
CTAGATTCGGAGTCGCGGTATCCGAGGCTCTGGTGTGTTACCAAGAGGGGATTGATCTG
CTCCTGCAGGTTCTGAAAGGTACCAAAGATAATACTAAGAGATGTAATCTCAGAGAAAAA
ATTTCCAAATACATGGACAGAGCGGAAAACATAAAGAAGTACTTGGACCAAGAAAAAGAA
GATGGAATATCACAAGCAAATTTAAATAGAAGAGAATGCAACAGGTTTCAGTTATGAG
TCACTTTTTCGCGAATACCTTAATGAGACAGTTACAGAAGTTTGGATAGAAGATCCTTAT
ATTAGACATACTCATCAGCTGTATAACTTTCTTCGATTTTGTGAGATGCTTATTAAGAGA
CCATGTAAAGTAAAACTATTCACCTTCTCACCTCTCTGGATGAAGGCATTGAGCAAGTG
CAGCAAAGTAGAGGCCTGCAAGAAATAGAAGAGTCACTCAGGAGTCACGGAGTGCTGTTG
GAAGTTCAATACTCTTCTTCAATACATGACCGAGAAATTAGGTTCAACAATGGATGGATG
ATTAAGATTGGAAGGGGACTTGATTATTTTAAGAAACCACAGAGTCGTTTTTCCCTTGGA
TATTGTGATTTTGATTTAAGACCATGTCATGAAACAACAGTAGACATTTTTCATAAGAAG
CATACAAAAATATATGATGGGTGGTAGCCTAATTTGTATTATGTCTACTTTAAGTGAAT
ATTGGATTTTTTTTAAAGATCACTTTTATAATGTATGAATTTAACAATAAACTTTTATA
TTTCTACTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
AAA
  
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138798 unedited <pre> NGGGTCGGAATTTGTATACGACTCACTATAGGGGCGGCCGCGATTCCCGGGATATCGTCG ACCCACGCGTCCGTCGACCCACGCGTCCGCCGCTCAACTTCATCCTGGGTTGAGGCGGA GGAGAAGTTCCAGAAATTATGGCGAAGTCCGGGCTGAGGCAGGACCCGAGAGCACAGCTG CAGCCACTGTGCTAAAGCGGGCAGTAGAACTAGATTCGGAGTCGCGGTATCCGCAGGCTC TGGTGTGTTACCAAGAGGGGATTGATCTGCTCCTGCAGTTCTGAAAGGTACCAAAGATA ATACTAAGAGATGTAATCTCAGAGAAAAATTTCCAAATACATGGACAGAGCGGAAAAACA TAAAGAAAGTACTTGGACCAAGAAAAAGAGATGGAAAAATACACAAGCAAATTAATAAG AAGAGAATGCAACAGGTTTCAGTTATGAGTCACTTTTTTCGCGAATACCTTAATGAGACAG TTACAGAAGTTTGGATAGAAGATCCTTATATTAGACATACTCATCAGCTGTATAACTTTC TTTCGATTTTGTGAGATGCTTATTAAGAGACCATGTAAAGTAAAACTATTCACCTTCTCA CCTCTCTGGATGAAGGCATTGAGCAAGTGCAGCAAAGTAGAGGCTGCAAGAAATAGAAG AGTCACTCAGGAGTCACGGAGTGTGTTGGAAGTTCAATACTCTTCTTCATACATGACCG AGAAATAGGTTCAACAATGGATGGATGATTAAGATTGGAAGGGGACTTGATTATTTTAAG AAACCACAGAGTCGTTTTTCCCTTGGATATTGTGATTTTGATTTAAGACCATGTCATGAA ACAACAGTAGACATTTTTTCATAAGAAGCATACAAAAATATATGATGGGGTGGTAGCCTA AATTTGNATATGTCTACCTTAAGNAAATNATGGATTTTTTTTAAAGT </pre>
Restriction Sites:	Please inquire
ACCN:	NM_138798
Insert Size:	963 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:	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>NM_138798.1</u> , <u>NP_620153.1</u>
RefSeq Size:	963 bp
RefSeq ORF:	750 bp
Locus ID:	129531
UniProt ID:	<u>Q8WV92</u>
Cytogenetics:	2q11.2

Gene Summary:

Abscission, the separation of daughter cells at the end of cytokinesis, is effected by endosomal sorting complexes required for transport III (ESCRT-III). The protein encoded by this gene functions as a homodimer, with the N-termini binding to a subset of ESCRT-III subunits and the C-termini binding to membranes. The encoded protein regulates ESCRT-III activity and is required for proper cytokinesis. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]
Transcript Variant: This variant (1) encodes the longest isoform (1).