

Product datasheet for **RN208266**

Mitd1 (NM_001009714) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mitd1 (NM_001009714) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mitd1
Synonyms:	RGD1307700
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208266 representing NM_001009714 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGGCTAAATCCAGCCTGGGACAGGATTCCGACAGCACTGCCGGTGGCGGTGCTAAAGCGGGCAGTGG
AGCTGGATGCAGAGTCCCGTACCAGCAGGCTCTGGTGTGTACCAGGAGGGGATTGATATGCTCTTGCA
GGTTCTGAAAGGCACAAAGAGTCCAGTAAAAGAAGTACTCTCAGAACGAAAATCTCTGGCTACATGGAT
AGAGCAGAAAAATATAAGAAATACTTAGATCAAGAAAAAGAAGATGGAATATCACAAGCAAATTTAAAA
TAGAAGAGAATGCCACTGGTTTCAGTTACGAGTCACTTTTCAGAGAATACCTACAGGAGACAGTTACAGA
AGTTTGGATAGAAGACCCCTACATTAGACAGACCCATCAGCTCTATAACTTCCTTCGGTTCTGTGAGATG
CTGATTAAGAAGCCATGTAAAGTAAGGACTATTACCTTCTCACCTCTGGGGATGAAGGTTTGGGAACA
CACAGCAAAGTAGTGGCCTGGAAGAAATAAGCAGTCCCTCAGGAGTCACGGAGTGGTTTTGGAAATAAA
CTATTCTTCATCTATCCATGACCGAGAAATTAGGTTCAACAATGGATGGATGATTAATTCGGAAGGGGC
CTTGATTACTTTAAGAAACACAGGGCCGTTTTCTCTCGGATACTGTGATTTAGACCTGAGGCCGTGTC
ATGAAACAACGGTGGACATTTTTCACAACAAGCACACAAAAAATA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001009714
Insert Size:	750 bp



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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_001009714.1</u> , <u>NP_001009714.1</u>
RefSeq Size:	1186 bp
RefSeq ORF:	750 bp
Locus ID:	363219
UniProt ID:	<u>Q5I0J5</u>
Cytogenetics:	9q21
Gene Summary:	Required for efficient abscission at the end of cytokinesis, together with components of the ESCRT complexes. Seems not to be involved in endosomal transport (By similarity). [UniProtKB/Swiss-Prot Function]