

Product datasheet for **RG224065**

METTI1D1 (METTL17) (NM_001029991) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	METTI1D1
Synonyms:	METTI1D1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG224065 representing NM_001029991
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGCGGCACTGAAGTGTCTACTGACATTAGGAAGATGGTGCCCGGCCTTGGAGTGGCTCCCAGG
 CCCGGGCGCTCGCCGCCTTAGTACCGGAGTGACCCAGGTAGATAACAAGTCCGGTTTCCTGCAGAAGAG
 GCCTCATCGCCAGCACCTGGCATCTAAAGTGCCGACGTGCGGCTGCCACAGGCACTGGCTAACGGT
 GCCCAGTTATTGCTACTTGGGAGCGCTGGGCCCACTATGGAGAATCAGGTGCAAACTGACCAGTTATC
 TCTGGAGCAGACATTTGCCTGTAGAGCCAGAGGAGTTGCAAGACGGGCTAGGCATCTTGAGAAAAAATT
 CCTGGAAAAACCCAGACTTATCTCAGACAGAGGAGAACTTCGTGGAGCAGTGCTACACGCACTACGTAAA
 ACTACCTACCATTTGGCAAGAACTGAGCTACACTGAGGGAAGTGGTGTATATGGCAGCAAGACTGG
 ATGGTGGCTTTCAGCAGTCTCCAGAGCATTCCATGAGATCCGGGCTCGAAATCCAGCATTTTCAGCCACA
 AACTTTGATGGACTTTGGCTCAGGTACTGGTCTGTACCTGGGCTGCTCAGATATTTGGGCCAGAGC
 CTACGTGAATATATGTGTGTGGACAGATCAGTGCCATGTTGGTTTTGGCAGAAAACTACTGAAAGGTG
 GTTCAGAATCTGGGAGCCTTATATCCAGGTGTCTTTTTCAGACAGTTTCTACCTGTATACCCCAAGGT
 GCAGTTTGTAGTAGTGTGACGCTTTTTCCTTAAGTGAAGTGGCCAGCAAGGCTGACCGCACTGAGGTA
 GTTCAAACCTTATGGCGTAAGACAGGTCAATTCCTGGTACTGGTGGAGAATGGAACAAAAGCTGGGCACA
 GCCTTCTCATGGATGCCAGGGATCTGGTCTTAAGGGAAGAGAAAGTACCTTTGGACCCCTCGACCTGG
 TTTTGTCTTTGCCCGTGTCCCATGAACCTCCCTTGTCCCCAGTTGACCAACCTGGCCTGTAGCTTCTCA
 CAGGCGTACCATCCCATCCCTTCAGCTGGAACAAGAAACCAAGGAAGAAAAGTTCTCTATGGTGATCC
 TTGCTCGGGGTCTCCAGAGGAGGCTCATCGTGGCCCGTATCACTCAGCCTGTCTTAAACGGCCTCG
 CCATGTGCATTGTCACTTGTGTGTCCAGATGGGCACATGCAGCATGCTGTGCTCACAGCCCGCCGGCAC
 GGCAGGTATGGGGGTGTGACCAAAATCAGTGGGATGTGGCAGGAAGTGCAGCCACGCCAGCATCTGT
 TTCCACAGGGATTTGTATCGTTGTGCCCCTGTGAGCTCCTGGGAGATCTTTTACCTGTGCTTACTCCGT
 CTGCGTTTCTCCATCTACGGCTCAGGATCCCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG224065 representing NM_001029991
 Red=Cloning site Green=Tags(s)

MAAALKCLLTGRWCPGLGVAPQARALAALVPGVTQVDNKSGLQKRPQRHPGILKLPHVRLPQALANG
 AQLLLLGSAGPTMENQVQTLTSYLWSRHLPEPEELQRRARHLEKKFLENPDLSQTEEKLRGAVLHALRK
 TTYHWQELSYTEGLSLVYMAARLDGGFAAVSRAFHEIRARNPAFQPTLMDFGSGTGSVTWAAHSIWGQS
 LREYMCVDRSAAMLVLAELLLKGGSESGEPYIPGVFFRQFLPVSPKVQFDVVVSAFSLSELPKADRTVEV
 VQTLWRKTGHFLVLVENGTKAGHSLLMDARDLVKKGKESPLDPRPGFVFAPCPHELPCPQLTNLACFSF
 QAYHPFIPFSWNKKPKKEKFMSVILARGSPPEAHRWPRTQPVLRPRHVVHCLCCPDGHMQHAVLTARRH
 GRYGGCDQNDVAGSCSPRQHLFPQGFVSLCPCQLLGRSFTCAYSVCVSSIYGSGL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001029991

ORF Size: 1434 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:

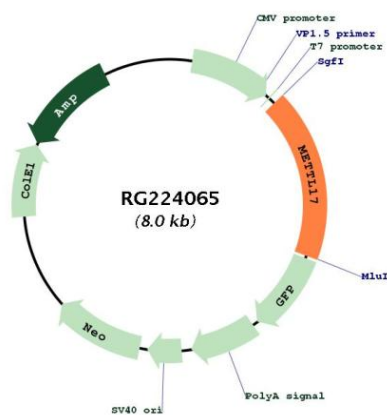
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001029991.2](#)

RefSeq Size:	1802 bp
RefSeq ORF:	1437 bp
Locus ID:	64745
UniProt ID:	Q9H7H0
Cytogenetics:	14q11.2
Gene Summary:	May be a component of the mitochondrial small ribosomal subunit.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG224065