

Product datasheet for **RG212768**

METTL1 (NM_005371) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL1 (NM_005371) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	METTL1
Synonyms:	C12orf1; TRM8; TRMT8; YDL201w
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG212768 representing NM_005371 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCCGAGACTCGGAACGTGGCCGGAGCAGAGGCCACCAGCCAGAAAGCGCTACTACCGCAAC
GTGCTCACTCCAACCCCATGGCGGACCACACGCTGCGCTACCCTGTGAAGCCAGAGGAGATGGACTGGTC
TGAGCTATACCCAGAGTTCTTCGCTCCACTCACTCAAAATCAGAGCCACGATGACCCAAAGGATAAGAAA
GAAAAGAGAGCTCAGGCCAAGTGGAGTTGCAGACATAGGCTGTGGCTATGGTGGCCTGTTAGTGAAC
TGTCCACCGCTGTCCCAGACACACTTATTCTGGGTCTGGAGATCCGGGTGAAGGTCTCAGACTATGTACA
AGACCGGATTCGGGCCCTACGCGCAGCTCCTGCAGGTGGCTTCCAGAACATCGCCTGTCTCCGTAGCAAT
GCCATGAAGCACCTTCTAACTTCTTCTACAAGGGCCAGCTGACAAAGATGTTCTTCTCTTCCCGACC
CACATTTCAAGCGGACAAAGCACAAAGTGGCGAATCATCAGTCCCACCCTGCTAGCAGAATATGCCTACGT
GCTAAGAGTTGGGGGGCTGGTGTATACCATAACCGATGTGCTGGAGCTACACGACTGGATGTGCACTCAT
TTCGAAGAGCACCCACTGTTTGAGCGTGTGCTCTGGAGGACCTGAGTGAAGACCCCGTTGTGGGACATC
TAGGCACCTCAACTGAGGAGGGGAAGAAAGTTCTACGTAATGGAGGAAGAATTTCCAGCCATCTTCCG
AAGAATAACAAGATCCCGTCTCCAGGCAGTGACCTCCAAACCAGCCTGCCTGGTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG212768 representing NM_005371
 Red=Cloning site Green=Tags(s)

MAAETRNVAGAEAPPPQKRYRQRAHSNPMADHTLRYPVKPEEMDWSLEYEFFAPLTQNSHDDPKDKK
 EKRAQAQVEFADIGCGYGLLVELSPLFPDTLILGLEIRVKVSDYVQDRIRALRAAPAGGFQNIACLRSN
 AMKHLPNFFYKQLTKMFFLFPDPHFKRTRKHKWRIISPTLLAEYAVVLRVGGLVYITDVLLEHDMWCTH
 FEEHPLFERVPLEDLSEDPVVGHGLGTSTEEGKKVLRNGGKNFPAIFRRIQDPVLQAVTSQTSPLPGH

TRTRPLE - GFP Tag - V

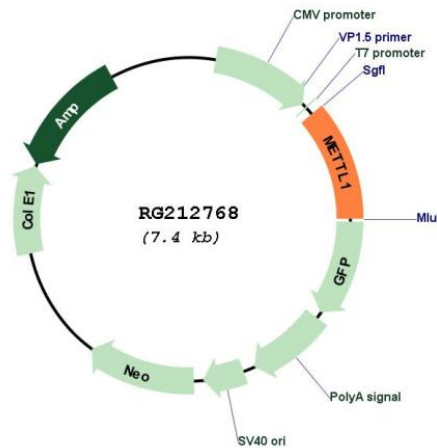
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_005371

ORF Size: 828 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:	<ol style="list-style-type: none">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:	NM_005371.6
RefSeq Size:	1743 bp
RefSeq ORF:	831 bp
Locus ID:	4234
UniProt ID:	Q9UBP6
Cytogenetics:	12q14.1
Protein Families:	Druggable Genome
Gene Summary:	This gene is similar in sequence to the <i>S. cerevisiae</i> YDL201w gene. The gene product contains a conserved S-adenosylmethionine-binding motif and is inactivated by phosphorylation. Alternative splice variants encoding different protein isoforms have been described for this gene. A pseudogene has been identified on chromosome X. [provided by RefSeq, Jul 2008]