

Product datasheet for **RG207050**

METTL27 (NM_152559) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	METTL27
Synonyms:	WBSCR27
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >RG207050 representing NM_152559
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGGCCCAGGAGGAGGGTGGGAGCCTGCCCGAGGTGCGGGCGCGGGTCAGGGCCGCGCATGGCATCCCCG
ACCTGGCCCAAAAGCTCCATTCTATGACCGCTGGGCTCCGGACTACGACCAGGATGTGGCCACCCTGCT
GTACCGTGCGCCCCGCTCGCAGTGGACTGCCTCACACAAGCCCTTCCAGGCCCGCCCCACAGTGCCCTG
ATCCTGGACGTGGCCTGTGGCACAGGCCTAGTGGCTGCCGAGCTGCGGGCTCCAGGCTTCTCCAGCTGC
ATGGGGTGGATGGGAGCCAGGGATGCTGGAACAGGCCCGGGCCCCCGGCCTCTATCAGCGCCTCAGCCT
CTGCACCCTGGGCCAGGAGCCTCTGCCAGCCCGGAAGGGACCTTCGACGCGGTGCTGATAGTCGGTGCC
CTCAGTGACGGCCAGGTGCCCTGCAATGCGATACCTGAGCTACATGTCACCAAGCCAGGTGGGCTGGTGT
GTCTGACCACCAGGACCAACTGGTCAACCTTCAATAACAAGGAGGCTCTGGAGGCCACCCTGGACAGGCT
GGAGCAGGCTGGGATGTGGGAAGGCCTGGTGGCCTGGCCTGTGGACCGCCTGTGGACCGCTGGGAGCTGG
CTACCTCCGAGCTGGTGGTGGTATCCGGCATCTCTGCCAAGGATGGCTTCATCTCCGGCATTGTCTACCT
GTACCGAAAGTGAAGGCGACCCAGGTTGAGGAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence:

>RG207050 representing NM_152559

Red=Cloning site Green=Tags(s)

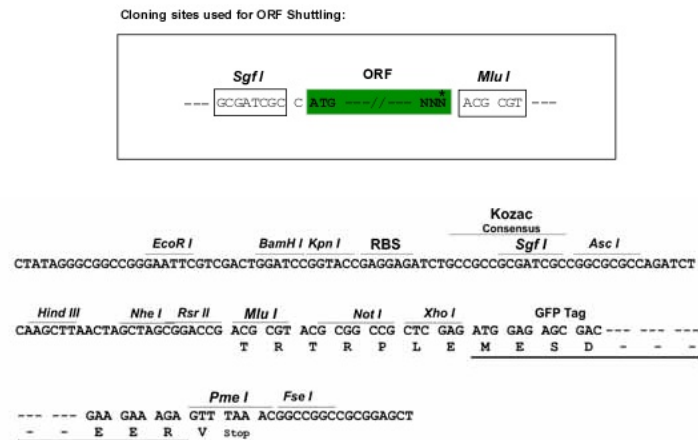
MAQEEGGSLPEVRARVRAAHGIPDLAQKLHFYDRWAPDYDQDVATLLYRAPRLAVDCLTQALPGPPHSAL
ILDVACGTGLVAAELRAPGFLQLHGVGSPGMLEQARAPGLYQRLSLCTLGQEPLPSPEGTFDVILVGA
LSDGQVPCNAIPELHVTKPGGLVCLTTRTNWSNLQYKEALEATLDRLEQAGMWEGLVAWPVDRLWTAGSW
LPPSWWWYPASLPRMASSPALSTCTESGRRPRLRK

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_152559

ORF Size:

735 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_152559.1](#)

RefSeq Size: 958 bp

RefSeq ORF: 738 bp

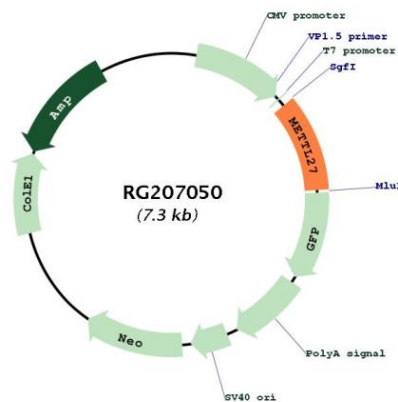
Locus ID: 155368

UniProt ID: [Q8N6F8](#)

Cytogenetics: 7q11.23

Gene Summary: This gene encodes a protein belonging to ubiE/COQ5 methyltransferase family. The gene is deleted in Williams syndrome, a multisystem developmental disorder caused by the deletion of contiguous genes at 7q11.22-q11.23. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG207050