

Product datasheet for **MG222062**

Mettl15 (NM_029790) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl15 (NM_029790) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mettl15
Synonyms:	0610027B03Rik; AI303697; AW049952; Mett5d1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222062 representing NM_029790 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGCTTCGATATCCATATTTTACAGAACATATAATAGACTGTTTTCACTTTGTGGATTCTGGTGCAT
CTAATTTGGATGTCTGTCCACACAATCCACTGCAGTGCCACTGCATACTGAATCTAAAGCTGTGGA
AGGGACAGCTCTGTGCGGCCCTCAGAAGGTCTACAGCTCTGAAGAGAAAGAGTTGGAAGCCATGGCTAAA
TTACATATCCAGTAATGGTGGATCAAGTTGTTTCATTGCTTGGCACCACAAAAGGGACAGGTTTTCTAG
ATATGACCTTTGGTTTCAAGGAGACATACAAGAGCCATTCTGCAGAAGGAACCAGATGTTATGGTCTATGC
CTTAGACCGGGACCCAGTGGCTTATGCAATAGCTGAGCAGCTTTCAAGACTGTATCCGACACAGATCCAA
GCTCTGTTGGGCCAGTTCAGCCAAGCGGAGGCATTGCTAATGAAAGCTGGAGTGCAGCCAGGAACGATTG
ATGGAATCCTTATGGACCTGGGGTGTCTTCCATGCAACTTGATGCTCCTGAACGAGGTTTCTCCCTTCG
GAAAGATGGCCCCCTTGACATGAGGATGGATGGAGACAGGTACCCTGACACGCCCACTGCTTCTGATGTT
GTGAATGCTTTAGATCAACAAGCACTTGCATCCATCCTAAGAGCATATGGAGAGGAAAAACATGCCAAAA
AAATTGCTTCTGCGATCATTCAAGCAGCAGCACATACCCTATCTCTAGAACCAGCAGCTTGCCAGCAT
TGTTGCAGGTGCCTTTCTCCCTCTGCTGTCTATGCAAGAAAAGACTTGCTACAAAGATCCACCCACATC
GCTACCAAGACTTCCAAGCCCTTCGCATCTTTGTGAACAATGAGCTCAATGAGCTCTATGCAGGACTGA
GGACAGCAGAGAAGTTTCTAAAACTGGTGGTCGCTGGTCGCCCTCTCCTTCCATTCTTGAAGATCG
TATTGTCAAACGCTTTCTGCTTGGGATAAGCATGACAGAAAGGTTTAACTGAGCATTAGACAGAAGGTG
AAGCAGACTTCCAGCTGGATTGAGATCAGGAGACTGAGGAGAGACACTCTGTAAGAGCGCCTCTGAAGT
GGGAGCTGATACACAAGAAGTACTTACTCCAGAAGATCAAGATGTCCAAGATAACCCAGAGGGCGCTC
AGCCAAGCTCAGAGCAGCCATCAAATTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA


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Protein Sequence: >MG222062 representing NM_029790
 Red=Cloning site Green=Tags(s)

MLRYPYFYRTYNRLF SHFVDSGASNLDVCPHTIHTAVALHTESKAVEGTALCGPQKVYSSEEKELEAMAK
 LHIPVMVDQVVHCLAPQKGQVFLDMTFGSGGHTRAILQKEPDVMVYALDRDPVAYAIAEQLSRLYPTQIQ
 ALLGQFSQAEALLMKAGVQPGTIDGILMDLGCPSMQLDAPERGFSLRKDGPLDMRMDGDYPTDPTASDV
 VNALDQALASILRAYGEEKHAKKIASAIQARSTYPIISRTQQLASIVAGAFPPSAVYARKDLLQRSTHI
 ATKTFQALRIFVNNELNELYAGLRTAKEFLKTGGRLVALSFHSLEDRIVKRFLLGISMTERFNLSIRQKV
 KQTSQLDSDQETEERHSVRAPLKWELIHKVLTPEQDVQDNPRGRSAKLRAAIKL

TRTRPLE – GFP Tag – V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_029790

ORF Size: 1218 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_029790.3](#), [NP_084066.2](#)

RefSeq Size: 1891 bp

RefSeq ORF: 1221 bp

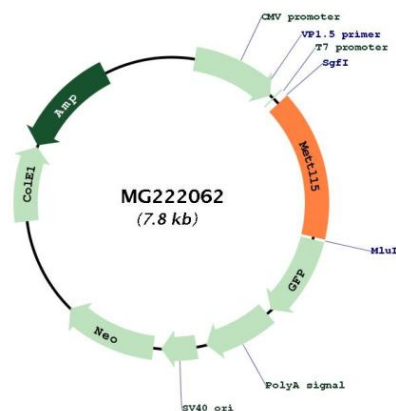
Locus ID: 76894

UniProt ID: [Q9DCL4](#)

Cytogenetics: 2 E3

Gene Summary: Probable S-adenosyl-L-methionine-dependent methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG222062