

Product datasheet for **MG220734**

Mettl4 (NM_176917) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mettl4 (NM_176917) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mettl4
Synonyms:	2410198H06Rik; A730091E08Rik; AV296509; HsT661
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG220734 representing NM_176917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGCTGTGGTGCATCATTTGCCTCCTGGGTGGTTACTGGATCATCTTTCTTTCATTAACAAAGTAACT
 ATCAACTTTGCCAGCATCAAGAGTCTTTTGTAGTAAAAACAACCCTACTTCTTCTGTCTACATGGATT
 TCTTCAGCTGGATCCCGGTCTCCTTTGGAGCTCCTGCTATGTGCTTGTCTGCTGACTTCACTACTGTG
 TCGGGCAATGACGATGAAGGAAGTTGTGAAGTGATCACCGAAAAATATGTTTTCCGATCTGAGCTATTTA
 ATGTCACCAAACTTACATAGTTCAGCTGTTCAAAAGAGCGCAACAAAGTAACAAAAACGAAAAATCT
 AGTGAAGTACTATAAACAAGAGGTCTCTGTTTCTGTTGGGAAGAAGCGTAAAGATGCATTGCTTTCAAT
 CAAGGTGAATTGGATGCCATGGAGTATCATACAAAGATCAGAGAGCTGATTTTGGATGGATCTTCGAAGT
 TAATCCAAGAAGGTCTCAGAAGTGGTTTTCTTTACCCACTTGTTGAAAAACAGGATGGAAGTAGCGGATG
 CATCACTTTACCACTTGATGCCTGCAATTTATCAGAGTTATGTGAGATGGCAAAACATTTGCCTTCCTTA
 AATGAAATGGAGCTTCAAACGCTACAGTTGATGGGAGATGATGTGTCTGTTATAGAGCTGGATTTATCCT
 CACAGATCATTGAAAACAACTCCAGCTTTTCCAAAATGATTACTTTAATGGGACAAAAATACCTGCTGCC
 ACCACAAAGCAGCTTTCTTTGTCTGACATTTCTTGATGCAGCCACTTCTTAAGTGTGGTAAGACATTT
 GATGCAATTGTGATTGATCCACCATGGGAGAACAAATCGGTTAAAGAAGTAACAGGTACAGTAGTTTAT
 CACCACAGCAGATAAAGCGAATGCCTATCCCTAACTGGCTGCTGCTGACTGTCTCATTGTTACTTGGGT
 GACCAACAGGCAGAAACATCTGTGTTTTGTGAAGGAGGAAGTATATCCTTCGTGGTCTGTGGAAGTTGTT
 GCAGAGTGGTACTGGGTAAAAATCACAATTCAGGAGAGTTTGTGTTCCCGTTGGATTCTCCACACAAAA
 AGCCTTATGAATGTCTTGTACTGGGAGAGTTAAAGAAAAAACTCCCTTAGCATTAAAGGAATCCAGATG
 AAGAATACCCCGAGTTCCAGATCAGAAGTTGATTGTGAGTGTGCCCTGTGTTCTTCACTCACACAAACCG
 CCTCTTACCGAAGTTCTGAGAGACTACATCAAGCCAGGTGGCCAGTGCTTGAATTTGTTGCTAGGAATT
 TACAGCCAGGTTGGATGAGTTGGGGCAACGAAGTCCTCAAGTTTTCAGCACATGGATTATTTTATTGCTCT
 GGAGTCCGGATGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG220734 representing NM_176917
 Red=Cloning site Green=Tags(s)

MSVVHLLPPGWLLDHLFINKVNYQLCQHQESFCSKNNPTSSVYMDSLQLDPGSPFGAPAMCFAPDFTTV
 SGNDDEGSCEVITEKYVFRSELFNVTKPYIVPAVHKERQQSNKNENLVTDYKQEVSVSVGKKRRCIAFN
 QGELDAMEYHTKIRELILDGSSKLIQEGLRSGFLYPLVEKQDGSSGCITLPLDACNLSELCEMAKHLPSL
 NEMELQTLQLMGDDVSVIELDLSSQIENNSSFSKMITLMGQKYLLPPQSSFLLSDISCMQPLLNCGKTF
 DAIVIDPPWENKSVKRSNRYSSLPQQIKRMPKPLAAADCLIVTWTNRQKHLCFVKEELYPSWSVEVV
 AEWYVWKITNSGEFVPLDSPHKPYECLVLGRVKEKTPALRNPVRIIPVDPQKLIVSVCVLHSHKP
 PLTEVLRDVIKPGGQCLELFARNLQPGWMSWGNELVKFQHMDYFIALESGC

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_176917

ORF Size: 1413 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_176917.5](#)

RefSeq Size: 2150 bp

RefSeq ORF: 1416 bp

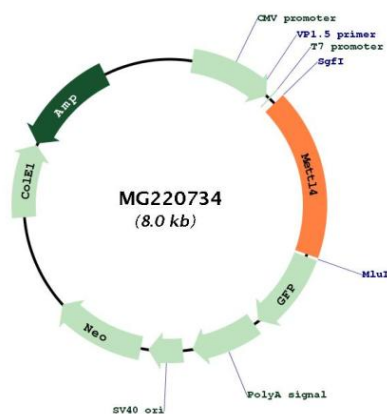
Locus ID: 76781

UniProt ID: [Q3U034](#)

Cytogenetics: 17 E5

Gene Summary: Probable methyltransferase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG220734