

Product datasheet for MR203828

Mettl6 (NM_025907) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Mettl6 (NM_025907) Mouse Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | Mettl6 |
| Synonyms: | 1600013P15Rik; AI467521; AU020711 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | >MR203828 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCTTTCCAAAGGAAAGGACTGCAAGCAAGGATTCTTAGCACTGAAGAAGAGGAGAACTGAAAA
GAGACCAAGCTTTGGTGTCTGCTTTTAAACAGCAAAAACCTGGAAAAAGAGGCTCAGAAGAACTGGGACCT
TTTTTATAAAAGAAACAGTACCAATTTTTCAAGGACAGACACTGGACCACCAGAGATTTGAGGAGTTG
AGATCATGTAGGGAGTATGAAGGTCAAAAATTGACTTTGTTGGAGGCTGGCTGTGGGGTTGGAACTGTT
TATTCCCACTTTTAGAAGAAGACTTGAATCTCTTGCCTATGCCGTGATTTTTCTCAAGGCCAGTTGA
CTACGTGAAGCAACATCCTTTGTACAATGCAGAGAGATGCAAAGTGTCCAGTGTGACCTACTAGAGAC
GACCTGCTTGACCACGTCCCACCAGAGTCTGTGGATGCCGTTACATTGATCTTTGTGCTCTCAGCTGTGC
ACCCTGAGAAGATGCGCCTTGTCTTACTAAACGTGTACAAGGTATTAACCAGGCAGAAGTGTCTTATT
CCGTGACTACGGGCTGAATGATCACGCCATGCTTAGATTTAAAGCTGGAAGCAAACCTGGAGAAAAATTT
TATGTCAGGCAAGATGGAACCAGATCGTATTTTTTACTGATGAATTCCTGGCGCAGCTCTTTGTGGATG
CAGGTTATGAAGAAGTGGTGAACGAGTATGTGTTTCGAGAGACAGTGAATAAAAAAGAGGGCCTGTGTGT
GCCTCGAGTTTTCTTCAGAGCAAGTCCGGAAGCCTCCGAAGGCCAGCCCTACCAGTGACTCTGCT
TCACTT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR203828 protein sequence
Red=Cloning site Green=Tags(s)

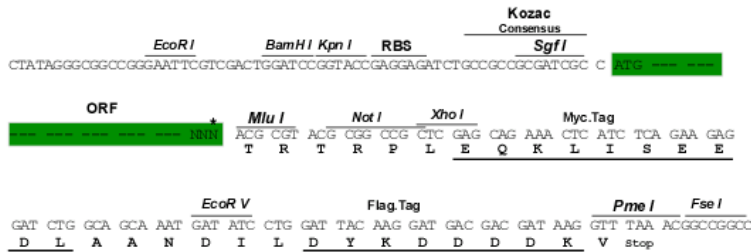
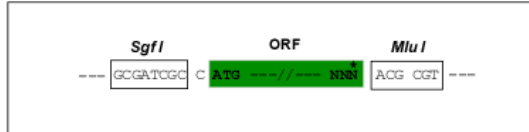
MASFQRKGLQARILSTEEEEKLRDQALVSAFKQQKLEKEAQKNWDLFYKRNSTNFFKDRHWTTFEEL
RSCREYEGQKL T LLEAGCGVGNCLFPLLEEDLNLFAYACDFSPRAVDYVKQHPL YNAERCKVFQCDLTRD
DLLLDHVPPEVDVAVTLIFVLSAVHPEKMRLVLLNVYKVLKPGRSVLF RDYGLNDHAMLRFKAGSKLGENF
YVRQDGRSYFFTDEFLAQLFVDAGYEEVVNEYVFRET VNKKEGLCVPRVFLQSKFRKPKKDPAPTSDSA
SL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_025907

ORF Size: 849 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.

RefSeq: [NM_025907.4](#)

RefSeq Size: 1905 bp

RefSeq ORF: 849 bp

Locus ID: 67011

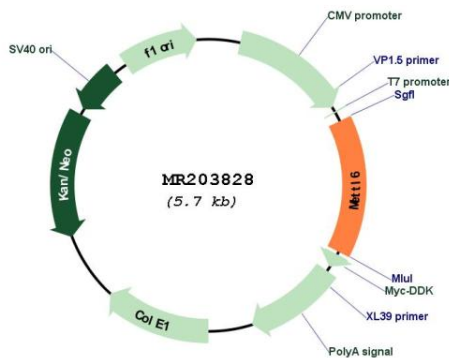
UniProt ID: [Q8BVH9](#)

Cytogenetics: 14 B

MW: 32.8 kDa

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

Product images:



Circular map for MR203828