

Product datasheet for **RR213469**

Mettl23 (NM_001008283) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mettl23 (NM_001008283) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mettl23
Synonyms: RGD1306284
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213469 representing NM_001008283
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCGGAGCCCGGCTCTTTTCGGTTCGGGACGAGCCAGGCCCGGAGCCGACCCGACCGTGTGGAGG
TCCGCGTCCCGCAGGTCCTGCATGTCCAGTATGGGATGTATGTTTGGCCCTGTGCTGTAGTCCTGGCCCA
ATACCTGTGGTTTACAGAAGAGTTCTGCCAGGCAAAGCTGTCTTAGAGATTGGAGCTGGAGTGAGCCTT
CCAGGAATTTTGGCTGCCAAATGTGGTGTCAAAGTAACACTATCTGACAGCCAGAGCTTCTCATTGTCT
TGGATATTTGTTGGCAAAGTTGCCAGATGAATAACCTGCCACAGGTGCAAATTGTAGGACTGACGTGGGG
CCACATATCAAAGGACACTTTGTCATTGCCACCACAAGACATCATTCTTGGATCTGATGTTTTCTTTGAA
CCAGAAGACTTTGAAAGCATTTTAGCCACAGTATACTTTCTGATGCAGAAGAATCCCAAAGTTCAATTCT
GGTCTACATACCAGGTGAGAAGTGTGACTGGTCACTGGAAGGCTTGCTCTACAAGTGGGATATGAGGTG
TGTGCACATTCTCTGGAGTCTTTTGTGACAGACAAGGAAGATATAGCAGAGTCTACCCTCCAGGAAGA
CATACTATTGAAATGCTGATCATCTCTTTGCAAAGGATAGTTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR213469 representing NM_001008283
 Red=Cloning site Green=Tags(s)

MAGARLFRFRDEPGPGADPTVLEVRVPQVLHVQYQMYVWPCAVVLAQYLWFHRRVLP GKAVLEIGAGVSL
 PGILAAKCGAKVTLSDSPELPHCLDICWQSCQMNNLPQVQIVGLTWGHISKDTLSPQDIILGSDVFFE
 PEDFESILATVYFLMQKNPKVQVFWSTYQVRSADWSLEGLLYKWD MRCVHIPLESFDADKEDIAESTLPGR
 HTIEMLIISFAKDSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

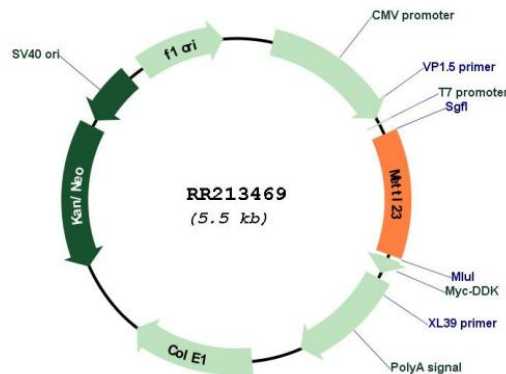
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001008283

ORF Size: 675 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_001008283.1 , NP_001008284.1
RefSeq Size:	930 bp
RefSeq ORF:	678 bp
Locus ID:	287918
UniProt ID:	Q5RIL2
Cytogenetics:	10q32.2
MW:	25.3 kDa
Gene Summary:	Probable methyltransferase.[UniProtKB/Swiss-Prot Function]