

Product datasheet for **RC231718**

METTL23 (NM_001206985) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: METTL23 (NM_001206985) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: METTL23
Synonyms: C17orf95; MRT44
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC231718 representing NM_001206985
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGAATAACCTGCCACATCTGCAGGTGGTAGGACTAACATGGGGTCATATATCTTGGGATCTTCTGGCTC
TACCACCACAAGATATTATCCTTGCATCTGATGTGTTCTTTGAACCAGAAGATTTTGAAGACATTTTGGC
TACAATATATTTTTGATGCACAAGAATCCCAAGGTCCAATTGTGGTCTACTTATCAAGTTAGGAGTGCT
GACTGGTCACTTGAAGCTTTACTCTACAAATGGGATATGAAATGTGTCCACATTCCTCTTGAGTCTTTTG
ATGCAGACAAAGAAGATATAGCAGAATCTACCCTTCCAGGAAGACATACAGTTGAAATGCTGGTCATTTT
CTTTGCAAAGGACAGTCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC231718 representing NM_001206985
Red=Cloning site Green=Tags(s)

MNNLPHLQVVGLTWGHISWDLALPPQDIILASDVFFEPEDFEDILATIYFLMHKNPKVQLWSTYQVRSR
DWSLEALLYKWMKCVHIPLESFDADKEDIAESTLPGRHTVEMLVISFAKDSL

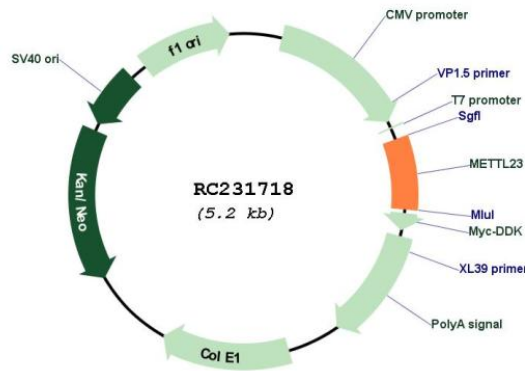
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001206985

ORF Size: 369 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_001206985.2
RefSeq Size:	1047 bp
RefSeq ORF:	372 bp
Locus ID:	124512
UniProt ID:	Q86XA0
Cytogenetics:	17q25.1
MW:	14.7 kDa
Gene Summary:	The protein encoded by this gene functions as a transcription factor regulator in the transcriptional pathway for human cognition. It is a partner of the alpha subunit of the GA-binding protein transcription factor. Mutations in this gene cause mild autosomal recessive intellectual disability. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014]