

Product datasheet for **RG236424**

METTL23 (NM_001302703) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: METTL23 (NM_001302703) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: METTL23
Synonyms: C17orf95; MRT44
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG236424 representing NM_001302703.
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTATGTTTGGCCCTGTGCTGTGGTCCTGGCCAGTACCTTTGGTTTCACAGAAGATCTCTGCCAGGC
AAGGCCATCTTAGAGATTGGAGCTGGAGTGAGCCTCCAGGAATTTGGCTGCCAAATGTGGTGCAGAA
GTAATACTGTGACAGCTCAGAACTGCCTCACTGTCTGGAAGTCTGTCGGCAAAGCTGCCAAATGAAT
AACCTGCCACATCTGCAGGTGGTAGGACTAACATGGGGTCATATATCTTGGGATCTTCTGGCTTACCA
CCACAAGATATTATCCTTGCATCTGATGTGTTCTTTGAACCAGAAGATTTGAAGACATTTGGCTACA
ATATATTTTTTGTGACAAGAATCCCAAGGTCCAATTGTGGTCTACTTATCAAGTTAGGAGTGCTGAC
TGGTCACTTGAAGCTTTACTCTACAAATGGGATATGAAATGTGTCCACATTCCTCTTGAAGCTTTTAT
GCAGACAAAGAAGATATAGCAGAATCTACCCCTCCAGGAAGACATACAGTTGAAATGCTGGTCATTTCC
TTTGCAAAGGACAGTCTC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

Protein Sequence: >Peptide sequence encoded by RG236424
Blue=ORF Red=Cloning site Green=Tag(s)

```
MYWPCAVVLAQYLWFHRRSLPGKAILEIGAGVSLPGILAAKCGAEVILSDSSELPHCLEVCRQSCQMN
NLPHLQVYGLTWGHISWDLALPPQDIILASDVFFEPEDFEDILATIYFLMHKPNKVQLWSTYQVRSAD
WSLEALLYKWDKCVHIPLESFDADKEDIAESTLPGRHTVEMLVISFAKDSL
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

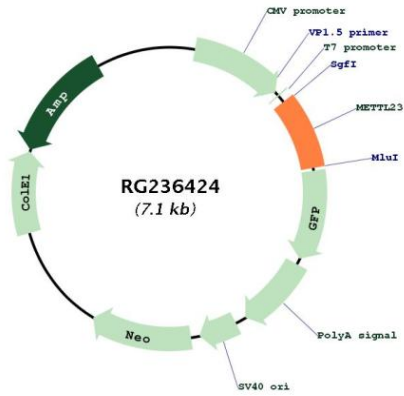
Restriction Sites: Sgfl-Mlul



Cloning Scheme:


- ACCN:** NM_001302703
- ORF Size:** 570 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).
- RefSeq:** [NM_001302703.1](#), [NP_001289632.1](#)
- RefSeq Size:** 1097 bp
- RefSeq ORF:** 573 bp
- Locus ID:** 124512
- UniProt ID:** [Q86XA0](#)
- Cytogenetics:** 17q25.1
- MW:** 21.5 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]

Product images:



Circular map for RG236424