

Product datasheet for **RG232048**

METTL23 (NM_001206983) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: METTL23 (NM_001206983) 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: >RG232048 representing NM_001206983
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTATGTTTGGCCCTGTGCTGTGGTCTGGCCAGTACCTTTGGTTTCACAGAAGATCTCTGCCAGGCA
AGGCCATCTTAGAGATTGGAGCTGGAGTGAGCCTTCCAGGAATTTGGCTGCCAAATGTGGTGCAGAAGT
AATACTGTCAGACAGCTCAGAACTGCCTCACTGTCTGGAAGTCTGTGGCAAAGCTGCCAAATGAATAAC
CTGCCACATCTGCAGGTGGTAGGACTAACATGGGGTCATATATCTTTGGGATCTTCTGGCTCTACCACCAC
AAGATATTATCCTTGCATCTGATGTGTTCTTTGAACCAGAAGATTTGAAGACATTTTGGCTACAATATA
TTTTTTGATGCACAAGAATCCCAAGGTCCAATTGTGGTCTACTTATCAAGTTAGGAGTGCTGACTGGTCA
CTTGAAGCTTTACTCTACAAATGGGATATGAAATGTGTCCACATTCCTCTTGAGTCTTTGATGCAGACA
AAGAAGATATAGCAGAATCTACCCTTCCAGGAAGACATACAGTTGAAATGCTGGTCATTTCTTTGCAAA
GGACAGTCTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232048 representing NM_001206983
Red=Cloning site Green=Tags(s)

MYVWPCAVVLAQYLWFHRRSLPGKAILEIGAGVSLPGILAACGAEVILSDSSELPHCLEVCRQSCQMNN
LPHLQVVLTWGHISWDLALPPQDIILASDVFFEPEDFEDILATIYFLMHKNPKVQLWSTYQVRSADWS
LEALLYKWMKCVHIPLSFADKEDIAESTLPGRHTVEMLVISFAKDSL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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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_001206983.2](#)

RefSeq Size: 1187 bp

RefSeq ORF: 573 bp

Locus ID: 124512

UniProt ID: [Q86XA0](#)

Cytogenetics: 17q25.1

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]