

## Product datasheet for **SC334318**

### **METTL23 (NM\_001302703) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	METTL23 (NM_001302703) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL23
Synonyms:	C17orf95; MRT44
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001302703, the custom clone sequence may differ by one or more nucleotides

```
ATGTATGTTTGGCCCTGTGCTGTGGTCCTGGCCAGTACCTTTGGTTTCACAGAAGATCTCTGCCAGGCA
AGGCCATCTTAGAGATTGGAGCTGGAGTGAGCCTTCCAGGAATTTGGCTGCCAAATGTGGTGCAGAAGT
AATACTGTCAGACAGCTCAGAACTGCCTCACTGTCTGGAAGTCTGTCGGCAAAGCTGCCAAATGAATAAC
CTGCCACATCTGCAGGTGGTAGGACTAACATGGGGTCATATATCTTTGGGATCTTCTGGCTCTACCACCAC
AAGATATTATCCTTGCATCTGATGTGTTCTTTGAACCAGAAGATTTGAAGACATTTTGGCTACAATATA
TTTTTGTATGCACAAGAATCCCAAGGTCCAATTGTGGTCTACTTATCAAGTTAGGAGTGCTGACTGGTCA
CTTGAAGCTTTACTCTACAAATGGGATATGAAATGTGTCCACATTCTCTTGAGTCTTTTGTATGCAGACA
AAGAAGATATAGCAGAATCTACCCTTCCAGGAAGACATACAGTTGAAATGCTGGTCATTTCTTTGCAAA
GGACAGTCTCTGA
```

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001302703
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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).



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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\\_001302703.1](#), [NP\\_001289632.1](#)

**RefSeq Size:** 1097 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]  
Transcript Variant: This variant (8) contains alternate exon structure in the 5' UTR, compared to variant 1. Variants 1, 2, 3 and 8 all encode isoform 1.