

## Product datasheet for **SC334289**

### **METTL23 (NM\_001302705) Human Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	METTL23 (NM_001302705) Human Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	METTL23
<b>Synonyms:</b>	C17orf95; MRT44
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	pCMV6-Entry (PS100001)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Fully Sequenced ORF:</b>	>NCBI ORF sequence for NM_001302705, the custom clone sequence may differ by one or more nucleotides

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ATGGAATGTATGTTTGGCCCTGTGCTGTGGTCCTGGCCCAGTACCTTTGGTTTCACAGAAGATCTCTGCC
AGATTGGAGCTGGAGTGAGCCTTCCAGGAATTTGGCTGCCAAATGTGGTGCAGAAGTAATACTGTCAGA
CAGCTCAGAACTGCCTCACTGTCTGGAAGTCTGTCGGCAAAGCTGCCAAATGAATAACCTGCCACATCTG
CAGGTGGTAGGACTAACATGGGGTCATATATCTTGGGATCTTCTGGCTCTACCACCACAAGATATTATCC
TTGCATCTGATGTGTTCTTTGAACCAGAAGATTTGAAGACATTTGGCTACAATATATTTTTTGATGCA
CAAGAATCCCAAGGTCCAATTGTGGTCTACTTATCAAGTTAGGAGTGCTGACTGGTCACTTGAAGCTTTA
CTCTACAATGGGATATGAAATGTGTCCACATTCCTCTTGAGTCTTTTGATGCAGACAAAGAAGATATAG
CAGAATCTACCCTTCCAGGAAGACATACAGTTGAAATGCTGGTCATTTCCCTTTGCAAAGGACAGTCTCTG
A
```

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_001302705
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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\\_001302705.1](#), [NP\\_001289634.1](#)

**RefSeq Size:** 836 bp

**RefSeq ORF:** 561 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 (10) uses an alternate splice site in both the 5' UTR and 5' coding region, and it thus differs in the 5' UTR and initiates translation at an alternate start codon, compared to variant 1. The encoded isoform (3) has a distinct N-terminus and is shorter than isoform 1.