

## Product datasheet for **SC329873**

### **METTL23 (NM\_001206985) Human Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** METTL23 (NM\_001206985) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** METTL23  
**Synonyms:** C17orf95; MRT44  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329873 representing NM\_001206985.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGAATAACCTGCCACATCTGCAGGTGGTAGGACTAACATGGGGTCATATATCTTGGGATCTTCTGGCT  
 CTACCACCACAAGATATTATCCTTGCATCTGATGTGTTCTTTGAACCAGAAGATTTGAAGACATTTTG  
 GCTACAATATATTTTTGATGCACAAGAATCCCAAGGTCCAATTGTGGTCTACTTATCAAGTTAGGAGT  
 GCTGACTGGTCACTTGAAGCTTTACTCTACAAATGGGATATGAAATGTGTCCACATTCCTCTTGAGTCT  
 TTTGATGCAGACAAAGAAGATATAGCAGAATCTACCCTCCAGGAAGACATACAGTTGAAATGCTGGTC  
 ATTTCTTTGCAAAGGACAGTCTCTGA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001206985  
**Insert Size:** 372 bp  
**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).  
**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.


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**RefSeq:** NM\_001206985.1

**RefSeq Size:** 1047 bp

**RefSeq ORF:** 372 bp

**Locus ID:** 124512

**UniProt ID:** Q86XA0

**Cytogenetics:** 17q25.1

**MW:** 14.2 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]

Transcript Variant: This variant (4) lacks an alternate exon containing a portion of the 5' UTR and 5' coding region, and uses a downstream in-frame start codon, compared to variant 1. The encoded isoform (2) is shorter at the N-terminus, compared to isoform 1. Variants 4, 5, 6 and 9 all encode isoform 2.