

## Product datasheet for **SC315693**

### METTL23 (NM\_001080510) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** METTL23 (NM\_001080510) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** METTL23  
**Synonyms:** C17orf95; MRT44  
**Mammalian Cell Selection:** None  
**Vector:** pCMV6-XL5  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene ORF sequence for NM\_001080510 edited  
 GTTGCCAGTTCTGCGCGTGTGAGTCTCTTTGCGCCTTGCTCCGGGCTTTCTTCGCTCGCAG  
 CGCGGCAGGGTTATCACCAGATCTGGGCTTTCCCTTCTTGCCGTCAAGTGTACGGCCA  
 CGTGGCCCGCGGCTTCCGCTCGCGCAGTCTGGCAGCCCGGAGCCTTCCGCGGTCCCCCG  
 CCCGCCCGGGGCCAACGACGCCCTACTGGGCGAGCACGATTTCCGAGGACAGGGGGTCC  
 GGGCCAGCGCTTTCGATTCTCGGAGGAGCCGGTCCGGGGCCGACGGGGCTGTCTGG  
 AGGTCCACGTCCCGCAGGTCTGCATCTCCAGTATGGAATGTATGTTGGCCCTGTGCTG  
 TGGTCTGGCCAGTACCTTTGGTTTCACAGAAGATCTCTGCCAGGCAAGGCCATCTTAG  
 AGATTGGAGCTGGAGTGAGCCTTCCAGGAATTTGGCTGCCAAATGTGGTGCAGAAGTAA  
 TACTGTCAGACAGCTCAGAACTGCCTCACTGTCTGGAAGTCTGTCGGCAAAGCTGCCAAA  
 TGAATAACCTGCCACATCTGCAGGTGGTAGGACTAACATGGGGTCATATATCTTGGGATC  
 TTCTGGCTTACCACCACAAGATATTATCCTTGCATCTGATGTGTCTTTGAACCAGAAG  
 ATTTTGAAGACATTTTGGCTACAATATATTTTTGATGCACAAGAATCCCAAGGTCCAAT  
 TGTGGTCTACTTATCAAGTTAGGAGTGCTGACTGGTCACTTGAAGCTTTACTCTACAAAT  
 GGGATATGAAATGTGTCCACATTCCTCTTGAGTCTTTTGTATGCAGACAAAGAAGATATAG  
 CAGAACTACCCTTCCAGGAAGACATACAGTTGAAATGCTGGTCACTTTCCCTTTCGAAAGG  
 ACAGTCTCTGAATTATACCTACAACCTGTTCTGGGACAGTATCAATACTGATGAGCAACC  
 TGGCACACAACTATGAGCAGACCACCTCAGCTTGAGAATGCAGTGGGTCTGAAGATGGT  
 CAAGTCTGTTTGCCTTAGATTTTGTATGTACCTAGACAACACTTAAACTCATATGAAACA  
 AAAATTAACATACGTATTACAAGTAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_001080510  
**Insert Size:** 1100 bp



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<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>OTI Annotation:</b>	The ORF of this clone has been fully sequenced and found to contain one SNP compared with NM_001080510.2.
<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_00108510.2</u>
<b>RefSeq Size:</b>	1152 bp
<b>RefSeq ORF:</b>	573 bp
<b>Locus ID:</b>	124512
<b>UniProt ID:</b>	<u>Q86XA0</u>
<b>Cytogenetics:</b>	17q25.1
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 2, 3 and 8 all encode isoform 1.</p>