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Product datasheet for SC329875

METTL23 (NM_001206987) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL23 (NM_001206987) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL23
Synonyms:	C17orf95; MRT44
Vector:	pCMV6-Entry (PS100001)
Fully Sequenced ORF:	>SC329875 representing NM_001206987. Blue=Insert sequence Red=Cloning site Green=Tag(s) ATGAATAACCTGCCACATCTGCAGGTGGTAGGACTAACATGGGGTCATATATCTTGGGATCTTCTGGCT CTACCACCACAAGATATTATCCTTGCATCTGATGTGTTCTTTGAACCAGAAGATTTTGAAGACATTTTG GCTACAATATATTTTTTGATGCACAAGAATCCCAAGGTCCAATTGTGGTCTACTTATCAAGTTAGGAGT GCTGACTGGTCACTTGAAGCTTTACTCTACAAATGGGATATGAAATGTGTCCACATTCCTCTTGAGTCT TTTGATGCAGACAAAGAAGATATAGCAGAATCTACCCTTCCAGGAAGACATACAGTTGAAATGCTGGTC ATTTCCTTTGCAAAGGACAGTCTCTGA
Restriction Sites:	SgfI-MluI
ACCN:	NM_001206987
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_001206987.1
RefSeq Size:	1226 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 (6) uses a different splice site in the 5' UTR, lacks an alternate exon that includes a portion of the 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.