

Product datasheet for **SC112250**

METTL22 (NM_024109) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	METTL22 (NM_024109) Human Untagged Clone
Tag:	Tag Free
Symbol:	METTL22
Synonyms:	C16orf68
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_024109, the custom clone sequence may differ by one or more nucleotides

ATGGTACAGCTGGCTCCTGCGGCAGCCATGGACGAGGTCACCTTTAGGAGCGACACTGTGCTGTCAGATG
TCCACCTCTATACCCGAACCATAGACATCTCATGGTACGGCTGAACAGCGTGGGCAGCCAGTTTCTCT
GTCCCAATTCAAGCTTCTATGGAGCCAAGACTCTTGGACAGATTGAGGAGCCAAGGGTGGCAGTCACAGA
GATGTTACACAAAGGAGCCTCCTTCTGCTGAGACAGGCAGCACAGGGTCCCCTCCAGGAAGTGGCCATG
GTAATGAGGGTTTCTCCCTCCAGGCCGGGACTGACACCACTGGCCAGGAAGTGGCTGAAGCTCAGCTGGA
TGAGGATGGGGATTTGGACGTGGTGAGAAGACCACGAGCCGCTCTGATTCCAACCCAGCAGGGCCTCTG
AGAGACAAGGTACATCCCATGATTCTAGCACAGGAAGAAGACGACGTCTGGGAGAGGAAGCACAAGGCA
GCCCCGACGATATCATCAGAATAGAGCACACCATGGCCACGCCCTGGAGGATGTTGGCAAGCAGGTGTG
GCGGGGCGCCCTGCTCCTGGCAGACTACATCCTGTTCCGACAGGACCTCTTCCGAGGATGTACAGCGCTG
GAGCTCGGGGCGGCACGGGGCTCGCTAGCATCATCGCAGCCACCATGGCACGGACCGTTTATTGTACAG
ATGTGGTGCAGATCTCTTGCCATGTGCCAGCGAAACATTGCCCTCAACAGCCACCTGGCTGCCACTGG
AGGTGGTATAGTTAGGGTCAAAGAACTGGACTGGCTGAAGGACGACCTCTGCACAGATCCCAAGTCCCC
TTCAGTTGGTACAAGAGGAAATTTCTGACTTGTACGATCACACCACCATCCTGTTTGCAGCCGAAGTGT
TTTACGACGACGACTTGACTGATGCTGTGTTTAAACGCTCTCCGACTCGCCACAGATTGAAAAATGC
CTGCACAGCCATACTGTCGGTGGAGAAGAGGCTCAACTTCACATTGAGACACTTGGACGTCACATGTGAA
GCCTACGATCACTTCCGCTCCTGCCTGCACGCGCTGGAGCAGCTCGCAGATGGCAAGCTGCCTTCTGTGG
TGGAGCCCGTGGAGGCCTCCTTCCACAGCTCCTGGTTTACGAGCGCCTCCAGCAACTGGAGCTCTGGAA
GATCATCGCAGAACCAGTAACATGA



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_024109 unedited CCAGCCAGAATTGTATACGACTCATATAGGCGGCCTGCGAATCGGCACGAGGCCGCCTGT TATGGCGGCCGCCTAAGTCCCACAGAGACGGGAGTCGGGTGGGATCCCAGGCTGGGCCCC GCGGCGGCTGGATTCTCTTCCCTGGCCAAGTCTCTGAGACCTTCTCCAGGGCGATGCAA AGCTACTCGCTACCAGCTTGGACCTGTCTGCAGTATCTCCTCTGGGACCTGCCATGCTGA GGACCCATTCTCACCTCTGAGGGACTCCTGTCTAGGACTAAGGTGGAGCCTGGGCCATG GTACAGCTGGCTCCTGCGGCAGCCATGGACGAGGTACCTTTAGGAGCGACACTGTGCTG TCAGATGTCCACCTCTATACCCGAACCATAGACATCTCATGGTACGGCTGAACAGCGTG GGGCAGCCAGTTTTCTGTCCCAATTCAAGCTTCTATGGAGCCAAGACTCTTGGACAGAT TCAGGAGCCAAGGGTGGCAGTCACAGAGATGTTACACAAAGGAGCCTCCTTCTGCTGAG ACAGGCAGCACAGGGTCCCCTCCAGGAAGTGGCCATGGTAATGAGGGTTTCTCCCTCCAG GCCGGGACTGACACCACTGGCCAGGAAGTGGCTGAAGCTCAGCTGGATGAGGATGGGGCA TATGGACGTGGTGAGAAGACCACGAGCCGCCTCTGATTCCAACCCAGCAGGGCCTCTGAG AGACGAGGTACATCCCATTGATTCTAGCACAGGAAAAGNACGACGTCTGTGTAGAGGAAG CACAAGGCAGCCGACGATATCATAGAAATAGTTTTGGCGGGGCGCCCTGCTCCTGGC AGACTACATCCTGTNCCGACANACCTTTCCCCGAGGAGTACAGCGCTGNAGCTCGNGCC GGCCACGGGCT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024109 unedited GGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTGGTGAGCTTCTGATTTTACTAG AAATACACTCTAAGAACAGTCGAGACGCCGCGCCTGGTGGAGGCGATGGGTCATGTTACT GGTTCTGCGATGATCTTCCAGAGCTCCAGCTGCTGGAGGCGCTCGTAAACCAGGAGCTGT GGGAAGGAGGCCCTCCACGGGCTCCACCACGAAGCGCAGCTTGCCATCTGTGAGCTGCTCC AGCGCGTGCAGGCAGGAGCGGAAGTGATCGTAGGCTTCACATGTGACGTCCAAGTGTCTC AGTGTGAAGTTGAGCCTTCTCTCACCGACAGTATGGCTGTGCAGGCATTTTCAATCTG TGGGCGAGTCGGGAGAGCGTTTTAAACACAGCATCAGTCAAGTCGTCTGTAACAACT TCGGCTGCAAACAGGATGGTGGTGTGATCGTACAGGTCAGAAATTTCTCTTGTGACCAA CTGAAGGGGACCTTGGGATCTGTGCAGAGGTGCTCCTTCAGCCAGTCCAGTTCTTTGACC CTAACTATACCACCTCCAGTGGCAGCCAGGTGGCTGTTGAGGGCAATGTTTCGCTGGCAC ATGGACAAGAGATCTGCACCGACATCTGTACAATAAACGGTCCGTGCCATGGTGGCTGCG ATGATGCTAGCGAGCCCCGTGCCGGCCCCGAGCTCCAGCGCTGTACATTTCTGNAAGAAG TNCCTGTGCAACAGGATGTAGTCTGCCAGGAGCANGGCGCCCGNACACCTATTCTGAG ATATCGNCGGGGCTGNCTTGTGCTTCTNCCAGNACGTGCTCTTCTTCTGTGCTAGA ATCATGGATGTACCTTGTCTCTCANAGCCCTGCTGGNNTGAAATANAGGCGCTCGTGGTC TTCTCACACGTCCAAATCCCTNCTCANCAGCTGAGCTTAGCCACTTCTGNNGTGTGTA GTCCNGNCTGNAGGAC
Restriction Sites:	NotI-NotI
ACCN:	NM_024109
Insert Size:	1450 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.

RefSeq: [NM_024109.1](#), [NP_077014.1](#)

RefSeq Size: 1570 bp

RefSeq ORF: 618 bp

Locus ID: 79091

UniProt ID: [Q9BUU2](#)

Cytogenetics: 16p13.2

Gene Summary: This gene encodes a member of the non-histone lysine methyltransferases. It interacts with its substrate, Kin17, which is involved in DNA repair and replication and mRNA processing. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]
Transcript Variant: This variant (1) represents the longer transcript and encodes the supported protein.