

Product datasheet for **MC208957**

Meis1 (NM_001193271) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meis1 (NM_001193271) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Meis1
Synonyms:	C530044H18Rik; Evi8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208957 representing NM_001193271 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGCAAAGGTACGACGACCTACCCATTATGGGGGTATGGATGGAGTAGGCATCCCCTCCACGATGT
ATGGGGACCCGCATGCAGCCAGGTCCATGCAACCGGTCCACCACCTGAACCACGGGCCTCCTCTGCACTC
GCATCAGTACCCGCACACAGCTCACACCAACGCCATGGCCCCAGCATGGGTTCTCGGTCAATGACGCT
TTAAAGAGAGATAAAGATGCCATTTATGGACACCCCTCTCCCTCTCTTAGCACTGATTTTTGAGAAAT
GTGAATTAGCTACTTGTACCCCGCGAGCCGGGGGTGGCGGGCGGGGACGTCTGCTCGTCAGAGTCATT
CAATGAAGATATAGCGGTGTTCCGCAAACAGATTCGCGCAGAAAAACCTCTATTCTTTCTAATCCAGAA
CTGGATAACTTGATGATTCAAGCCATACAAGTGTAAAGTTTCATCTGTTGGAATTAGAGAAGGTACACG
AATTATGTGACAAATTTCTGCCACCGGTATATTAGCTGTTTGAAGGGAAAATGCCTATCGATTTGGTGAT
AGATGATAGAGAAGGAGGATCAAATCAGACAGTGAAGATGTAACAAGATCAGCAAATCTAACTGACCAG
CCCTCTTGGAAATAGAGACCATGATGACACGGCATCCACTCGTTCAGGAGGAACCCCGGGCCCTCCACGG
GTGGCCACTTACACAGTGGGGATAACAGCAGTGAGCAAGGTGATGGCTTGGACAACAGTGTAGCTTC
CCCCAGCACAGGTGACGATGATGACCCTGATAAGGACAAAAAGCGTCACAAAAAGCGTGGCATCTTTCCC
AAAGTAGCCACCAATATCATGAGGGCGTGGCTGTTCCAGCATCTAACACACCCCTTACCCTTCTGAAGA
AGAAAAAGCAGTTGGCACAAGATACAGGACTTACCATCCTTCAAGTGAACAATTGGTTTATAATGCCCG
GAGAAGAATAGTCAGCCCATGATAGACCAGTCCAACCGAGCAGTCAGCCAAGGGACACCTTATAACCCCT
GATGGACAGCCAATGGGAGGTTTTGTAATGGACGGTCAGCAGCACATGGGCATCAGAGGCCAGGACCTA
TGAGTGAATGGGCATGAATATGGGCATGGAGGGCAGTGGCACTACATG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Chromatograms: https://cdn.origene.com/chromatograms/ja1817_a06.zip

Restriction Sites: Sgfl-Mlul

ACCN: NM_001193271

Insert Size: 1173 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_001193271.1](#), [NP_001180200.1](#)

RefSeq Size: 3441 bp

RefSeq ORF: 1173 bp

Locus ID: 17268

UniProt ID: [Q60954](#)

Cytogenetics: 11 11.11 cM

Gene Summary:

Acts as a transcriptional regulator of PAX6. Also acts as a transcriptional activator of PF4 in complex with PBX1 or PBX2. Required for hematopoiesis, megakaryocyte lineage development and vascular patterning. May function as a cofactor for HOXA7 and HOXA9 in the induction of myeloid leukemias.[UniProtKB/Swiss-Prot Function]

Transcript Variant: : This variant (B) includes an alternate exon in the 3' coding region, which results in a frameshift, compared to variant A. The resulting protein (isoform B) has a shorter and distinct C-terminus, compared to isoform A. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.