

Product datasheet for **MC216269**

Meis1 (NM_010789) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meis1 (NM_010789) 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)



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Fully Sequenced ORF: >MC216269 representing NM_010789
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGCAAAGGTACGACGACCTACCCCATATGGGGGTATGGATGGAGTAGGCATCCCCTCCACGATGT
 ATGGGGACCCGCATGCAGCCAGGTCATGCAACCGGTCCACCACCTGAACCACGGGCCTCCTCTGCACTC
 GCATCAGTACCCGCACACAGCTCACACCAACGCCATGGCCCCAGCATGGGTTCTTCGGTCAATGACGCT
 TTAAGAGAGATAAAGATGCCATTTATGGACACCCCTCTTCCCTCTCTTAGCACTGATTTTTGAGAAAT
 GTGAATTAGTACTTGTACCCCGCGAGCCGGGGTGGCGGGGGGACGCTCTGCTCGTCAGAGTCATT
 CAATGAAGATATAGCGGTGTTCCGCAACAGATTCGCGCAGAAAACTCTATTCTTCTAATCCAGAA
 CTGGATAACTTGATGATTCAAGCCATACAAGTGTAAAGTTTCATCTGTTGGAATTAGAGAAGGTACACG
 AATTATGTGACAATTTCTGCCACCGGTATATTAGCTGTTGAAAGGAAAATGCCTATCGATTTGGTGAT
 AGATGATAGAGAAGGAGGATCAAAATCAGACAGTGAAGATGTAACAAGATCAGCAAACTAACTGACCAG
 CCCTCTTGGAAATAGAGACCATGATGACACGGCATCCACTCGTTCAGGAGGAACCCCGGGCCCTCCAGCG
 GTGGCCATACTTCACACAGTGGGGATAACAGCAGTGAGCAAGGTGATGGCTTGGACAACAGTGTAGCTTC
 CCCCAGCACAGGTGACGATGATGACCCTGATAAGGACAAAAAGCGTCACAAAAAGCGTGGCATCTTTCCC
 AAAGTAGCCACCAATATCATGAGGGCGTGGCTGTTCCAGCATCTAACACACCCCTTACCCTTCTGAAGAAC
 AGAAAAAGCAGTTGGCACAAGATACAGGACTTACCATCCTTCAAGTGAACAATTGGTTTATTAATGCCCG
 GAGAAGAATAGTCAGCCCATGATAGACCAGTCCAACCGAGCAGTCAGCCAAGGGACACCTTATAACCTT
 GATGGACAGCCAATGGGAGGTTTTGTAAATGGACGGTCAGCAGCACATGGGCATCAGAGCGCCAGGGCTGC
 AAAGTATGCCAGGGGAGTATGTAGCCCGGGGTGGCCCAATGGGTGTGAGTATGGGACACCGGAGTTATAC
 CCAAGCCAGATGCCCCCATCCTGCTCAGCTGCGTCATGGGCCCCCATGCATACGTACATTCTCTGGA
 CACCCTACCACCCCGCAGTGATGATGCATGGAGGACAGCCACCCTGGAATGCCAATGTCAGCTCAA
 GCCCTCGGTTCTTAACACAGGAGACCCGACAATGAGTGACAAGTCATGGACATTCACGCTCAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja2007_h08.zip

Restriction Sites: SgfI-MluI

ACCN: NM_010789

Insert Size: 1398 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:	<ol style="list-style-type: none">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:	<u>NM_010789.3</u> , <u>NP_034919.1</u>
RefSeq Size:	3346 bp
RefSeq ORF:	1398 bp
Locus ID:	17268
UniProt ID:	<u>Q60954</u>
Cytogenetics:	11 11.11 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (A) encodes the longer isoform (A). Sequence Note: This RefSeq record was created from 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.</p>