

Product datasheet for **MG225806**

Meis1 (NM_001193271) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meis1 (NM_001193271) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Meis1
Synonyms:	C530044H18Rik; Evi8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG225806 representing NM_001193271 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCAAAGGTACGACGACCTACCCATTATGGGGGTATGGATGGAGTAGGCATCCCCTCCACGATGT
ATGGGGACCCGCATGCAGCCAGGTCCATGCAACCGGTCCACCACCTGAACCACGGGCCTCCTCTGCACTC
GCATCAGTACCCGCACACAGCTCACACCAACGCCATGGCCCCAGCATGGGTTCCCGGTCAATGACGCT
TTAAAGAGAGATAAAGATGCCATTTATGGACACCCCTCTCCCTCTCTTAGCACTGATTTTTGAGAAAT
GTGAATTAGCTACTTGTACCCCGCGAGCCGGGGGTGGCGGGCGGGGACGTCTGCTCGTCAGAGTCATT
CAATGAAGATATAGCGGTGTTCCGCAAACAGATTCGCGCAGAAAAACCTCTATTCTTTCTAATCCAGAA
CTGGATAACTTGATGATTCAAGCCATACAAGTGTAAAGTTTCATCTGTTGGAATTAGAGAAGGTACACG
AATTATGTGACAAATTTCTGCCACCGGTATATTAGCTGTTTAAAGGGGAAATGCCTATCGATTTGGTGAT
AGATGATAGAGAAGGAGGATCAAATCAGACAGTGAAGATGTAACAAGATCAGCAAATCTAACTGACCAG
CCCTCTTGGAAATAGAGACCATGATGACACGGCATCCACTCGTTCAGGAGGAACCCCGGGCCCTCCACGG
GTGGCCACTTTCACACAGTGGGGATAACAGCAGTGAGCAAGGTGATGGCTTGGACAACAGTGTAGCTTC
CCCCAGCACAGGTGACGATGATGACCCTGATAAGGACAAAAAGCGTCACAAAAAGCGTGGCATCTTTCCC
AAAGTAGCCACCAATATCATGAGGGCGTGGCTGTTCCAGCATCTAACACCCCTTACCCTTCTGAAGAAC
AGAAAAAGCAGTTGGCACAAGATACAGGACTTACCATCCTTCAAGTGAACAATTGGTTTATAATGCCCG
GAGAAGAATAGTCAGCCATGATAGACCAGTCCAACCGAGCAGTCAGCCAAGGGACACCTTATAACCCCT
GATGGACAGCCAATGGGAGGTTTTGTAATGGACGGTCAGCAGCACATGGGCATCAGAGCGCCAGGACCTA
TGAGTGAATGGGCATGAATATGGGCATGGAGGGCGAGTGGCACTACATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG225806 representing NM_001193271
 Red=Cloning site Green=Tags(s)

MAQRYDDLPHYGGMDGVGIPSTMYGDPHAARSMQPVHHLNHGPPPLHSHQYPHTAHTNAMAPSMGSSVNDALKRDKDAIYGHPLFPLLALIFEKCELATCTPREPGVAGGDVCSSESFNEDIAVFAKQIRAEKPLFSSNPEDNLMIQAIQVLRFHLLLELEKVHELCDNFCHRYISCLKGKMPIDLVIDDREGGSKSDSEDTVRSANLTDQPSWNRDHDDTASTRSGGTPGPPSSGGHTSHSGDNSSEQDGLDNSVASPSTGDDDDPKDKKRHKRGIFPKVATNIMRAWLFOHLTHPYPSEEQKKQLAQDTGLTILQVNNWFINARRRIQPMIDQSNRAVSQGTYPYNDGQPMGGFVMDGQHMGI RAPGPM SGMNMGMEGQWHYM

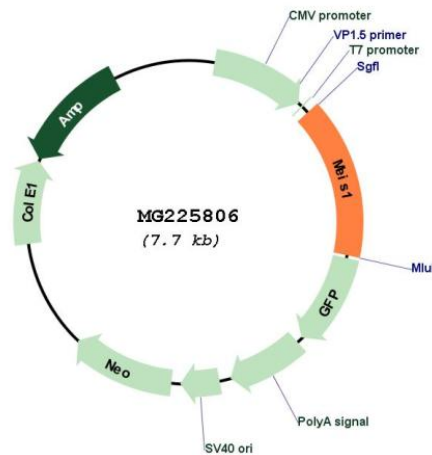
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001193271

ORF Size:	1170 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	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]