

## Product datasheet for **SC118668**

### MEIS1 (NM\_002398) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MEIS1 (NM_002398) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEIS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_002398, the custom clone sequence may differ by one or more nucleotides

```
ATGGCGCAAAGGTACGACGATCTACCCATTACGGGGGCATGGATGGAGTAGGCATCCCCTCCACGATG  
ATGGGGACCCGCATGCAGCCAGGTCCATGCAGCCGGTCCACCACCTGAACCACGGGCCTCCTCTGCACTC  
GCATCAGTACCCGCACACAGCTCATACCAACGCCATGGCCCCAGCATGGGCTCCTCTGTCAATGACGCT  
TTAAAGAGAGATAAAGATGCCATTTATGGACACCCCTCTCCCTCTCTTAGCACTGATTTTTGAGAAAT  
GTGAATTAGCTACTTGTACCCCCGCGAGCCGGGGTGGCGGGCGGGGACGCTGCTCGTCAGAGTCATT  
CAATGAAGATATAGCCGTGTTCCGCAACAGATTCGCGCAGAAAACTCTATTTTCTTCTAATCCAGAA  
CTGGATAACTTGATGATTCAAGCCATACAAGTATTAAGTTTCATCTATTGGAATTAGAGAAGGTACAG  
AATTATGTGACAATTTCTGCCACCGGTATATTAGCTGTTTGAAGGGGAAAATGCCTATCGATTTGGTGAT  
AGACGATAGAGAAGGAGGATCAAAATCAGACAGTGAAGATATAACAAGATCAGCAAACTAACTGACCAG  
CCCTCTTGGAACAGAGATCATGATGACACGGCATCTACTCGTTCAGGAGGAACCCAGGCCCTTCCAGCG  
GTGGCCACACGTACACAGTGGGACAACAGCAGTGAAGGATGATGGCTTGGACAACAGTGTAGCTTC  
CCCCAGCACAGGTGACGATGATGACCCTGATAAGGACAAAAAGCGTCACAAAAAGCGTGGCATCTTTCC  
AAAGTAGCCACAAATATCATGAGGGCGTGGCTGTTCCAGCATCTAACACACCCTTACCCTTCTGAAGAAC  
AGAAAAAGCAGTTGGCACAAGACACGGGACTCACCATCCTTCAAGTGAACAATTGGTTTATAATGCCCC  
GAGAAGAATAGTGCAGCCATGATAGACCAGTCCAACCGAGCAGTAAGTCAAGGAACACCTTATAATCCT  
GATGGACAGCCATGGGAGGTTTCGTAATGGACGGTCAGCAACATATGGGAATTAGAGCACCAGGACCTA  
TGAGTGAATGGGCATGAATATGGGCATGGAGGGCAGTGGCACTACATGTAA
```

Restriction Sites:	NotI-NotI
ACCN:	NM_002398
Insert Size:	4700 bp



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**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](mailto: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\\_002398.2](#), [NP\\_002389.1](#)

**RefSeq Size:** 3198 bp

**RefSeq ORF:** 1173 bp

**Locus ID:** 4211

**UniProt ID:** [O00470](#)

**Cytogenetics:** 2p14

**Domains:** homeobox

**Protein Families:** Transcription Factors

**Gene Summary:** Homeobox genes, of which the most well-characterized category is represented by the HOX genes, play a crucial role in normal development. In addition, several homeoproteins are involved in neoplasia. This gene encodes a homeobox protein belonging to the TALE ('three amino acid loop extension') family of homeodomain-containing proteins. [provided by RefSeq, Jul 2008]