

Product datasheet for SC313311

MEIS2 (NM_170677) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEIS2 (NM_170677) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEIS2
Synonyms:	CPCMR; HsT18361; MRG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	<p>>OriGene ORF within SC113195 sequence for NM_020149 edited (data generated by NextGen Sequencing)</p> <pre> ATGGCGCAAAGGTACGATGAGCTGCCCCATTACGGCGGGATGGACGGAGTAGGGGTTCCC GCTTCCATGTACGGAGACCCTCACGCGCCGCGCGATCCCCCGTTACCCACCTGAAC CACGGGGCCGCGCTCCACGCCACACAGCACTACGGCGCGCACGCCCGCACCCCAATGTC ATGCCGGCCAGTATGGGATCCGCTGTCAACGACGCCTTGAAGCGGGACAAGGACGCGATC TATGGGCACCCGTTGTTTCCTCTGTAGCTCTGGTCTTTGAGAAGTGCGAGCTGGCGACC TGCACTCCCCGGGAACCTGGAGTGGCTGGCGGAGACGTCTGCTCCTCCGACTCCTTCAAC GAGGACATCGCGGTCTTCGCCAAGCAGGTTGCGCGCGAAAAGCCACTTTTTCTCAAAT CCAGAGCTGGACAATTTGATGATACAAGCAATACAAGTACTAAGGTTTCATCTTTTGAG TTAGAAAAGGTCCACGAAGTGTGCGATAACTTCTGCCACCGATACATTAGCTGTTTGAAG GGGAAAATGCCCATCGACCTCGTCATTGATGAAAGAGACGGCAGCTCCAAGTCAGATCAT GAAGAAGTTTCAGGCTCCTCCACAAATCTCGCTGACCATAACCCCTTCTTCTTGGCGAGAC CACGATGATGCAACCTCAACCCACTCAGCAGGCACCCAGGGCCCTCCAGTGGGGGCCAT GCTTCCAGAGCGGAGACAACAGCAGTGAGCAAGGGGATGGTTTAGACAACAGTGTAGCT TCACCTGGTACAGGTGACGATGATGATCCGGATAAGGACAAAAACGCCAGAAGAAAAGA GGCATTTTCCCAAGTAGCAACAAATATCATGAGAGCATGGCTTTCCAGCATCTCACA GTTTATTAA </pre> <p>Clone variation with respect to NM_020149.2</p>
Restriction Sites:	SgfI-MluI
ACCN:	NM_170677
Insert Size:	1206 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 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](#)

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_170677.4](#)

RefSeq Size: 3373 bp

RefSeq ORF: 1206 bp

Locus ID: 4212

UniProt ID: [O14770](#)

Cytogenetics: 15q14

Protein Families: Transcription Factors

MW: 43.8 kDa

Gene Summary: This gene encodes a homeobox protein belonging to the TALE ('three amino acid loop extension') family of homeodomain-containing proteins. TALE homeobox proteins are highly conserved transcription regulators, and several members have been shown to be essential contributors to developmental programs. Multiple transcript variants encoding distinct isoforms have been described for this gene. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (a) represents the longest transcript.