

Product datasheet for **SC319788**

Meis homeobox 3 (MEIS3) (NM_001009813) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meis homeobox 3 (MEIS3) (NM_001009813) Human Untagged Clone
Tag:	Tag Free
Symbol:	Meis homeobox 3
Synonyms:	MRG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_001009813.1
 GCCCCGGGCTGCGCCCTCCCCGCGGCCAGGCTCTGGAGGGACCCAGGAGCTGCCGCCGG
 CCTCAGCCCATGGCCCGGAGGTATGATGAGCTGCCGCACTACCCAGGCATCGTGGATGGC
 CCCGCAGCCCTGGCTAGCTTCCCAGAGACAGTGCCCGCAGTACCAGGGCCCTATGGCCCC
 CACCGGCTCCCCAGCCCTGCCCCAGGCTTGGACAGCGACGGCCTGAAGAGGGAGAAG
 GATGAGATCTATGGACACCCGCTCTTCCCCTCTTGGCCCTGGTCTTTGAGAAATGTGAA
 CTGGCTACATGCTCTCCCGTGACGGGGCCGGAGCTGGGCTGGGGACACCCCTGGAGGT
 GACGTCTGCTCCTCTGATTCTTCAACGAGGACATCGCTGCCTTTGCCAAGCAGGTTTCGC
 TCTGAGAGGCCCTCTTCTCCTCCAACCCAGAAGTGGACAATCTGATGATCCAGGCCATC
 CAGGTGCTGCGGTTCCACCTGCTGGAGCTGGAGAAGGGAAAGATGCCATCGACCTGGTC
 ATCGAGGATCGGGACGGCGGCTGCAGGGAGGACTTCGAGGACTACCCAGCCTCCTGCCCC
 AGCCTCCCAGACCAGAATAATATGTGGATTCGAGACCATGAGGATAGTGGGTCTGTACAT
 TTGGGGACCCAGGTCCATCCAGTGGGGGCTGGCCTCCCAGAGTGGGGACAACCTCCAGT
 GACCAAGGAGACGGGCTGGACACCAGCGTGGCCTCTCCAGTTCTGGTGGAGAAGATGAG
 GACTTGGACCAGGAGCGACGGCGAAACAAGAAGAGGGGGATCTTCCCAAGGTGGCCACC
 AACATCATGCGAGCCTGGTTGTTCCAGCACCTCTCGCACCGTACCCCTCGGAGGAGCAG
 AAGAAACAGCTGGCGCAGGACACGGGGCTACCATCCTGCAAGTCAACAACCTGGTTCATT
 AACGCCCGGAGACGCATCGTGCAACCTATGATCGATCAATCCAACCGCACAGGGCAGGGT
 GCAGCCTTCAGCCAGAGGGCCAGCCATCGGGGGCTATACCGAGACGCACGCCACACGTG
 GCCGTCCGGCCTCCGGGATCAGTGGGGATGAGTTTGAACCTGGAAGGAGAATGGCATTAT
 CTATAGAGGCTGATGCAGGAGAGACCCAGCCTCCGGCTGTGACCCCCAGCCTCACACCTG
 CCTCTGGTTCCCGCCTGGTCTCCAGCTTCAGGACCCACCTCCAAGGGCCCTCTGCTC
 AATGCCTACCTCCCTAGGGCCCTGCTGGGACATGGGGCCTGAGTCCCATCCAAGGGCT
 CTCAAGGACACCCGCAAGGCCTCCAGGCCCTGAGCCCCACTTCTGCCTTACCTCTGCCT
 GGGACCCGAGCTGGGCTCCTGGGCTTGGTCCCAGAAGATGGCGGCTAGGGCCTCGCCG
 CCAGGACAGAGAAGGGACGGGGTGGCTGGGCACTCAGGGAAGGAGGGTCGCCCGGATCCG
 ACATTTTGAGAGATTCTTCACTCTCCTGTCCCCCTACCTCCCTTCTAATTTCTTC
 TTTTTTTAATGATAAAGTCTTAAAAACACGGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001009813

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001009813.1](#), [NP_001009813.1](#)

RefSeq Size: 1990 bp

RefSeq ORF: 1077 bp

Locus ID: 56917

UniProt ID: [Q99687](#)

Cytogenetics: 19q13.32

Gene Summary: This gene encodes a homeobox protein and probable transcriptional regulator. The orthologous protein in mouse controls expression of 3-phosphoinositide dependent protein kinase 1, which promotes survival of pancreatic beta-cells. [provided by RefSeq, Sep 2016]
Transcript Variant: This variant (2) uses alternate in-frame acceptor splice sites at two internal exon junctions compared to variant 1, which results in a shorter isoform (2) missing two internal protein segments compared to isoform 1.