

Product datasheet for SC304715

Meis homeobox 3 (MEIS3) (NM_020160) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meis homeobox 3 (MEIS3) (NM_020160) Human Untagged Clone
Tag:	Tag Free
Symbol:	Meis homeobox 3
Synonyms:	MRG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304715 representing NM_020160. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCCGGAGGTATGATGAGCTGCCGACTACCCAGGCATCGTGGATGGCCCGCAGCCCTGGCTAGC
TTCCCAGAGACAGTGCCCGCAGTACCAGGGCCCTATGGCCCGCACCGCCCTCCCAGCCCTGCCCCCA
GGCTTGGACAGCGACGGCCTGAAGAGGGAGAAGGATGAGATCTATGGACACCCGCTCTTCCCCTCTTG
GCCCTGGTCTTTGAGAAATGTGAAGTGGCTACATGCTCTCCCGTGACGGGGCCGGAGCTGGGCTGGGG
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GAAGGAGAATGGCATTATCTATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_020160
Insert Size:	1266 bp
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:	<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_020160.2</u>
RefSeq Size:	2166 bp
RefSeq ORF:	1266 bp
Locus ID:	56917
UniProt ID:	<u>Q99687</u>
Cytogenetics:	19q13.32
MW:	46.2 kDa
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 (1) represents the longest transcript and encodes the longest isoform (1).