

Product datasheet for MC227278

Meis3 (NM_001277988) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meis3 (NM_001277988) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Meis3
Synonyms:	AI573393; Mrg; Mrg2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC227278 representing NM_001277988 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCCCCGAGGTATGATGAGCTGCGCCACTACCCAGGCATTACAGAGCACACGACAGCCCTGGCCAGCT
 TTTCAGAGGCAGCGCCTTCAGTACCTAGAGCCCTGGGCCCTACACCCACACCGGCCACCCAGCTCCA
 AGCTCCAGGCTTGGACAGCGACAGCTTGAAGAGAGAGAAGGATGACATCTATGGACACCCCTCTTCCCA
 CTCTTGGCCCTGGTCTTTGAGAAGTGTGAGCTGGCTACATGCTCGCCCCGTGATGGGGCTCGGCTGGGC
 TGGGTTACACCCAGGTGGTACGTCTGCTCCTCTGACTCCTTCAATGAGGATATTGCTGCCTTTGCTAA
 GCAGATCCGCTCCGAGAGGCCGCTGTTCTCTTCCAACCCGAGCTGGACAACCTGATGGTCCAGGCCATC
 CAGGTACTCCGGTTCACCTGCTGGAGCTGGAGAAGGGGAAGATGCCCATAGACCTGGTGATTGAGGATC
 GGGATGGTAGTTGCAGGGAGGATCTTGAGGACTACGCAGCCTCCTGCCCCAGCCTCCAGACCAGAATAC
 TACATGGATCAGAGACCATGAGGACAGTGGGTCTGTACATTTGGGGACCCAGGTCCATCCAGCGGAGGC
 CTGGCCTCCAGAGTGGGGACAACCTCAAGTGACCAAGGAGATGGGCTGGACACAAGCGTAGCCTCTCCCA
 GCTCCGCAGGAGAGGATGAGGACCTGGACCTGGAACGCAGACGGAACAAGAAGAGGGGGATCTTTCCCAA
 AGTGGCCACCAACATCATGAGGGCCTGGTTGTTCCAGCATCTCTCGACCCGTACCCTTCAGAAGAGCAA
 AAGAAACAGCTGGCCAGGACACAGGGCTCACCATCCTGCAGGTGAACAACCTGTTTATTAATGCCCGGA
 GACGAATAGTGACGCCCATGATTGACCAGTCTAATCGCACAGGGCAGGGTGCATCTTTCAACCCCTGAGGG
 CCAGCCCATGGCAGGCTTACAGAGACTCAGCCACAAGTGACAGTCAGGACACCAGGATCAATGGGGATG
 AACCTGAACCTAGAAGGAGAGTGGCATTACCTA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001277988
Insert Size:	1086 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:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001277988.2</u> , <u>NP_001264917.1</u>
RefSeq Size:	1736 bp
RefSeq ORF:	1086 bp
Locus ID:	17537
UniProt ID:	<u>P97368</u>
Cytogenetics:	7 8.76 cM
Gene Summary:	The protein encoding this gene belongs to the three amino acid loop extension family of homeodomain transcription factors, which play essential roles in many embryonic processes. These proteins are characterized by an atypical homeodomain containing a three amino acid loop extension between helices 1 and 2. Expression of this gene begins during the compaction stage of embryogenesis and continues into the blastocyst stage. This gene is also expressed in pancreatic islet cells and beta-cells and regulates beta-cell survival. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2014] Transcript Variant: This variant (2) uses an alternate in-frame splice junction at the 5' end of an exon compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to isoform a. Variants 2 and 3 both encode the same isoform (b).