

Product datasheet for **RC206100**

Meis homeobox 3 (MEIS3) (NM_020160) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Meis homeobox 3 (MEIS3) (NM_020160) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Meis homeobox 3
Synonyms:	MRG2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC206100 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCCCCGGAGGTATGATGAGCTGCCGCACTACCCAGGCATCGTGGATGGCCCCGACGCCCTGGCTAGCT
 TCCCAGAGACAGTGCCCGCAGTACCAGGGCCCTATGGCCCGCACCGGCCTCCCCAGCCCCTGCCCCAGG
 CTTGGACAGCGACGGCCTGAAGAGGGAGAAGGATGAGATCTATGGACACCCGCTCTTCCCCTCTTGGCC
 CTGGTCTTTGAGAAATGTGAAGTGGCTACATGCTCTCCCCTGACGGGGCCGGAGCTGGGCTGGGGACAC
 CCCCTGGAGGTGACGTCTGCTCTCTGATTCTTCAACGAGGACATCGCTGCCTTTGCCAAGCAGGTTTCG
 CTCTGAGAGGCCCTCTTCTCTCAACCCAGAAGTGGACAATCTGATGATCCAGGCCATCCAGGTGCTG
 CGGTTCCACCTGCTGGAGCTGGAGAAGGTCCACGACCTGTGCGACAATCTGTCAACCGCTACATCACCT
 GCCTCAAGGAAAGATGCCCATCGACCTGGTTCATCGAGGATCGGGACGGGGCTGCAGGGAGGACTTCGA
 GGACTACCCAGCCTCTGCCCCAGCCTCCAGACCAGAATAATATGTGGATTCGAGACCATGAGGATAGT
 GGGTCTGTACATTTGGGGACCCAGGTCCATCCAGTGGGGCCTGGCCTCCAGAGTGGGGACAACCTCCA
 GTGACCAAGGAGACGGGCTGGACACCAGCGTGGCCTCTCCAGTTCTGGTGGAGAAGATGAGGACTTGGA
 CCAGGAGCGACGGCGAAACAAGAAGAGGGGGATCTTCCCAAGGTGGCCACCAACATCATGCGAGCCTGG
 TTGTTCCAGCACCTCTCGAGACGCTCAGAAGCGCCGGTTCTCCAGACGCTGCTGCTGGGCTGGGCTCCC
 CATCCCCCGACCCCGTGGGCCAGACCTTGGGGTTCAGACTGCGGCCGGCCAGGCAGGCAGAGTGACTC
 TTGCTGGTGGCTGCAGCACCCGTACCCCTCGGAGGAGCAGAAGAACAGCTGGCGCAGGACACGGGGCTC
 ACCATCTGCAAGTCAACAAGTGGTTCATTAAACGCCCGGAGACGCATCGTCAACCTATGATCGATCAAT
 CCAACCGCACAGGGCAGGGTGCAGCCTTCAGCCAGAGGGCCAGCCATCGGGGGCTATACCGAGACGCA
 GCCACACGTGGCCGTCCGGCCTCCGGGATCAGTGGGGATGAGTTGAACCTGGAAGGAGAATGCCATTAT
 CTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC206100 protein sequence
 Red=Cloning site Green=Tags(s)

MARRYDELPHYPGIVDGPAAALASFPETVPAVPGPYGPHRPPQPLPPGLSDGLKREKDEIYGHPLFPLLA
 LVFEKCELATCSPRDGAGAGLTPPGGDVCSDFSFNEDIAAFKQVRSERPLFSSNPELDNLMIQAIQVL
 RFHLLLEKVDLDCDNFCHRYITCLKGKMPIDLVIEDRDGGCREFEDYPASCPSLPDQNNMWIRDHEDS
 GSVHLGTPGPSSGLASQSGDNSSDQDGLDTSVASPSSGGEDELDQERRRNRKRGIFPKVATNIMRAW
 LFAQHLSRRSEAPVLPDVCLGLGSPSPGPRWARPWGSDCGRPGRQSDSCWWLQHPYPSEEQKQLAQDTGL
 TILQVNNWFINARRRIVQPMIDQSNRTGQGAASFEGQPIGGYTETQPHVAVRPPGSVGMSLNLEGEWHY
 L

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6317_a01.zip

Restriction Sites:

Sgfl-Mlul

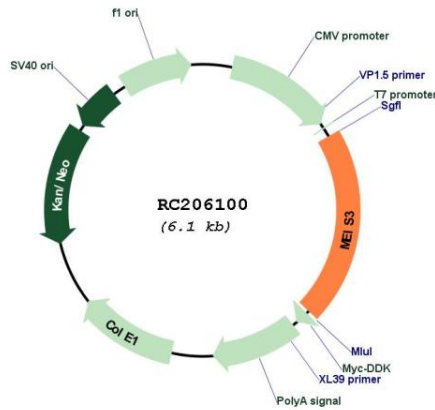
UniProt ID: [Q99687](#)

Cytogenetics: 19q13.32

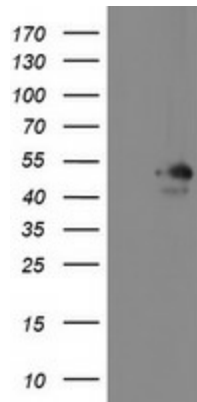
MW: 46.2 kDa

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]

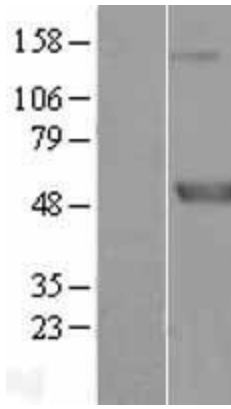
Product images:



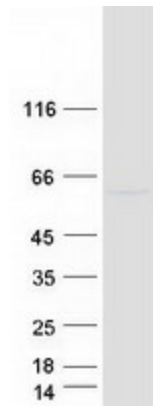
Circular map for RC206100



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MEIS3 (Cat# RC206100, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MEIS3 (Cat# [TA800268]). Positive lysates [LY412624] (100ug) and [LC412624] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY412624]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206100 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MEIS3 protein (Cat# [TP306100]). The protein was produced from HEK293T cells transfected with MEIS3 cDNA clone (Cat# RC206100) using MegaTran 2.0 (Cat# [TT210002]).