

Product datasheet for **RG232801**

MEIS2 (NM_001220482) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEIS2 (NM_001220482) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MEIS2
Synonyms:	CPCMR; HsT18361; MRG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG232801 representing NM_001220482
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGCAAAGGTACGATGAGCTGCCCCATTACGGCGGGATGGACGGAGTAGGGTTCCCGCTTCCATGT
 ACGGAGACCCCTCACGCGCGCGCCGATCCCCCGGTTACCACCTGAACCACGGCCGCCGCTCCACGC
 CACACAGCACTACGGCGCGCACGCCCGCACCCCAATGTCATGCCGCGCCAGTATGGGATCCGCTGTCAAC
 GACGCCTTGAAGCGGGACAAGGACGCGATCTATGGGCACCCGTTGTTTCTCTGTAGCTCTGGTCTTTG
 AGAAGTGCAGCTGGCGACCTGCACTCCCCGGAACTGGAGTGGCTGGCGGAGACGTCTGCTCTCCGA
 CTCCTTCAACGAGGACATCGCGTCTTCGCAAGCAGTTCGCGCCGAAAAGCCACTTTTTCTCAAAT
 CCAGAGCTGGACAATTTGATGATACAAGCAATACAAGTACTAAGGTTTCATCTTTGGAGTTAGAAAAGG
 TCCACGAACTGTGCGATAACTTCTGCCACCGATACATTAGCTGTTGAAGGGGAAAATGCCATCGACCT
 CGTCATTGATGAAAGAGACGGCAGCTCCAAGTCAGATCATGAAGAAGTTTCAGGCTCCTCCACAAATCTC
 GCTGACCATAACCTTCTTCTTGGCGAGACCAGATGATGCAACCTCAACCCACTCAGCAGGCACCCAG
 GGCCCTCCAGTGGGGGCCATGCTTCCCAGAGCGGAGACAACAGCAGTGAAGGATGGTTTAGACAA
 CAGTGTAGCTTACCTGGTACAGGTGACGATGATGATCCGGATAAGGACAAAAACGCCAGAAGAAAAGA
 GGCATTTTCCCAAAGTAGCAACAAATATCATGAGAGCATGGCTCTTCCAGCATCTCACACATCCGTACC
 CTTCCGAAGAGCAGAAGAAACAGTTAGCGCAAGACACAGGACTTACAATTCTCCAAGTAAACAATGGTT
 TATTAATGCCAGAAGAAGATAGTACAGCCATGATTGACCAGTCAAATCGAGCAGTGAAGCAAGGAGCA
 GCATATAGTCCAGAGGTGAGCCATGGGGAGCTTTGTGTTGGATGGTCAACACATGGGGATCCGGC
 CTCGAGGTTTGCAGAGCATGCCAGGGGACTAGTTTCTCAGGTTGGTCTATGGGAATGAGTATGGCACA
 GCCAAGTTACACTCCTCCCAGATGACCCACACCCCTACTCAATTAAGACATGGACCCCAATGCATTCA
 TATTTGCCAAGCCATCCCACCACCCAGCCATGATGATGACGGAGGCCCTACCCACCTGGAAATGA
 CTATGTGACACAGAGCCCAATGTTAAATTCTGTAGATCCCAATGTTGGCGACAGGTTATGGACAT
 TCATGCCCAA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG232801 representing NM_001220482
 Red=Cloning site Green=Tags(s)

MAQRYDELPHYGGMDGVGPASMYGDPHAPRPIPPVHHLNHGPPLHATQHYGAHAPHPNVMPASMGSAVN
 DALKRDKDAIYGHPLFPLLALVFEKCELATCTPREPGVAGGDVCSDFSFNEDIAVFAKQVRAEKPLFSSN
 PELDNLMIQAIQVLRFHLLLEKVVHELCDNFCHRYISCLKGKMPIDLVIDERDGSKSDHEELSGSSTNL
 ADHNPSSWRDHDATSTHSAGTPGPSSGGHASQSGDNSSEQGDGLDNSVASPGTGDDDDDPDKKRQKKR
 GIFPKVATNIMRAWLFQHLTHPYPSEEQKKQLAQDTGLTILQVNNWFINARRRIVQPMIDQSNRAVSQGA
 AYSPEGQPMGSFVLDGQQHMGIRPAGLQSMPGDYVSQGGPMGMSMAQPSYTPPQMTPHPTQLRHGPPMHS
 YLPSHPHPAMMMHGPPTHPGMTMSAQSPTMLNSVDPNVGGQVMDIHAQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

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_001220482.2](#)

RefSeq Size: 3123 bp

RefSeq ORF: 1413 bp

Locus ID: 4212

UniProt ID: [O14770](#)

Cytogenetics: 15q14

Protein Families: Transcription Factors

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]