

## Product datasheet for RC201395

### MEIS2 (NM\_002399) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MEIS2 (NM_002399) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MEIS2
Synonyms:	CPCMR; HsT18361; MRG1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201395 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC

ATGGACGGAGTAGGGTTCCCGTTCCATGTACGGAGACCCTCACGCGCCGCGGCCGATCCCCCGGTTCCACCTGAACCACGGCCGCGCTCCACGCCACACAGCACTACGGCGCGCACGCCCGCACCCCAATGTCATGCCGGCCAGTATGGGATCCGCTGTCAACGACGCCCTGAAGCGGGACAAGGACGCGATCTATGGGCACCGTTGTTTCTCTGTTAGCTCTGGTCTTTGAGAAGTGGGAGCTGGCGACCTGCACTCCCCGGGAACCTGGAGTGGCTGGCGGAGACGTCTGCTCCTCCGACTCCTTCAACGAGGACATCGCGGTCTTCGCCAAGCAGGTCGCGCCGAAAAGCCACTTTTTTCTCAAATCCAGAGCTGGACAATTTGATGATACAAGCAATACAAGTACTAAGTTTCATCTTTGGAGTTAGAAAAGTCCACGAAGTGTGCGATAACTTCTGCCACCAGATACATTAGCTGTTTGAAGGGGAAAAATGCCATCGACTCGTCAATTGATGAAAGAGACGGCAGCTCCAAGTCAGATCATGAAGAATTTCAAGGCTCCTCCACAAATCTCGTGACCATAACCTTTCTTCTTGGCGAGACCACGATGATGCAACCTCAACCCACTCAGCAGGCACCCAGGGCCCTCCAGTGGGGCCATGCTTCCAGAGCGGAGACAACAGCAGTGAGCAAGGGGATGGTTTAGACAACAGTGTAGCTTACCTGGTACAGGTGACGATGATGATCCGGATAAGGACAAAAACGCCAGAAGAAAAGAGGCATTTTCCCAAAGTAGCAACAATATCATGAGAGCATGGCTCTCCAGCATCTCACATCCGTACCCTTCCGAAGAGCAGAAGAAACAGTTAGCGCAAGCACAGACTTACAATTTCCAAGTAAACAAGTGGTTTATTAATGCCAGAAGAAGAAATAGTACAGCCCATGATTGACAGTCAAATCGAGCAGTGGCCAAAGGAGCAGCATATAGTCCAGAGGGTACGCCATGGGGAGCTTTGTGTTGGATGGTCAGCAACACATGGGGATCCGGCTGCAGGACCTATGAGTGGAAATGGGCATGAATATGGGCAATGGATGGCAATGGCACTACATG

ACGCGTACGCGGCCGCTCGAGCAGAAAACATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



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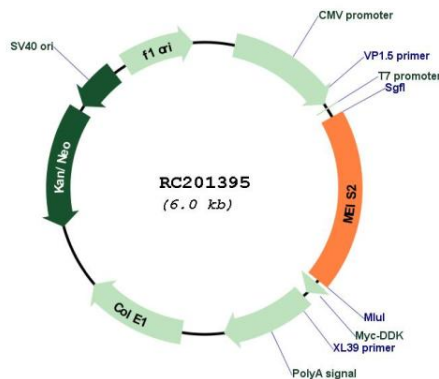


- Reconstitution Method:**
1. Centrifuge at 5,000xg for 5min.
  2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
  3. Close the tube and incubate for 10 minutes at room temperature.
  4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the 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.

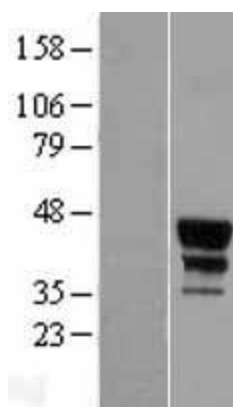
**RefSeq:** [NM\\_002399.3](#)  
**RefSeq Size:** 3074 bp  
**RefSeq ORF:** 1146 bp  
**Locus ID:** 4212  
**UniProt ID:** [O14770](#)  
**Cytogenetics:** 15q14  
**Domains:** homeobox  
**Protein Families:** Transcription Factors  
**MW:** 41.5 kDa

**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]

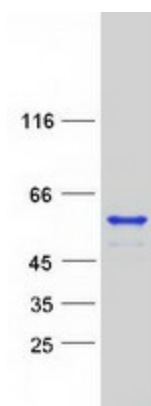
**Product images:**



Circular map for RC201395



Western blot validation of overexpression lysate (Cat# [LY419351]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201395 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified MEIS2 protein (Cat# [TP301395]). The protein was produced from HEK293T cells transfected with MEIS2 cDNA clone (Cat# RC201395) using MegaTran 2.0 (Cat# [TT210002]).