

Product datasheet for SC109425

MEIS2 (NM_170676) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEIS2 (NM_170676) Human Untagged Clone
Tag:	Tag Free
Symbol:	MEIS2
Synonyms:	CPCMR; HsT18361; MRG1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_170676, the custom clone sequence may differ by one or more nucleotides

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ATGGCGAAAGGTACGATGAGCTGCCCCATTACGGCGGGATGGACGGAGTAGGGGTTCCCGCTTCCATGT
ACGGAGACCCCTCACGCGCCGCGGCCGATCCCCCGGTTACCACCTGAACCACGGGCCGCCCTCCACGC
CACACAGCACTACGGCGCGCACGCCCGCACCCCAATGTCATGCCGGCCAGTATGGGATCCGCTGTCAAC
GACGCCTTGAAGCGGGACAAGGACGCGATCTATGGGCACCCGTTGTTTCTCTGTAGCTCTGGTCTTTG
AGAAGTGCAGCTGGCGACCTGCACTCCCCGGAACTGGAGTGGCTGGCGGAGACGTCTGCTCCTCCGA
CTCCTTCAACGAGGACATCGCGTCTTCGCCAAGCAGGTTCCGCGCGAAAAGCCACTTTTTCTCAAAAT
CCAGAGCTGGACAATTTGATGATACAAGCAATACAAGTACTAAGGTTTCATCTTTTGGAGTTAGAAAAGG
TCCACGAACTGTGCGATAACTTCTGCCACCGATACATTAGCTGTTTGAAGGGGAAAATGCCCATCGACCT
CGTCATTGATGAAAGAGACGGCAGCTCCAAGTCAGATCATGAAGAACTTTCAGGCTCCTCCACAAAATCTC
GCTGACCAATAACCCTTCTTCTGGCGAGACCACGATGATGCAACCTCAACCCACTCAGCAGGCACCCCGAG
GGCCCTCCAGTGGGGGCCATGCTTCCAGAGCGGAGACAACAGCAGTGAGCAAGGGGATGGTTTAGACAA
CAGTGTAGCTTACCTGGTACAGGTGACGATGATGATCCGGATAAGGACAAAAACGCCAGAAGAAAAGA
GGCATTTCCTCCAAAGTAGCAACAAATATCATGAGAGCATGGCTCTTCCAGCATCTCACACATCCGTACC
TATTAATGCCAGAAGAAGATAGTACAGCCATGATTGACCAGTCAAATCGAGCAGTGAGCCAAGGAGCA
GCATATAGTCCAGAGGGTCAGCCCATGGGGAGCTTTGTGTTGGATGGTCAGCAACACATGGGGATCCGGC
CTGCAGGTTTGCAGAGCATGCCAGGGGACTACGTTTCTCAGGTTGGTCTATGGGAATGAGTATGCCACA
GCCAAGTTACTCTCCTCCAGATGACCCACACCCTACTCAATTAAGACATGGACCCCAATGCATTCA
TATTTGCCAAGCCATCCCACCACCCAGCCATGATGATGCACGGAGGCCCTACCCACCCTGGAATGA
CTATGTCAGCACAGGCCCAATGTTAAATTCTGTAGATCCCAATGTTGGCGGACAGGTTATGGACAT
TCATGCCCAATAG

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_170676 unedited GCCCCGTTGCCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTC ATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGGAATTCGG CACGAGGAAAAAAGGAATCTTCAGCCTAGATCACTTTCTTATCCGGACTGGGATATTAA ATATACGACACATCCAGGAGTTTATTGGAGCGCAGACTGATGGCGCAAAGGTACGATGAG CTGCCCCATTACGGCGGGATGGACGGAGTAGGGGTTCCCGCTTCCATGTACGGAGACCCT CACGCGCCGCGCCGATCCCCCGGTTCAACACCTGAACCACGGGCGCCGCTCCACGCC ACACAGCACTACGGCGCGCACGCCCGCACCCCAATGTCATGCCGGCCAGTATGGGATCC GCTGTCAACGACGCTTGAAGCGGGACAAGGACGCGATCTATGGGCACCCGTTGTTTCCT CTGTTAGCTCTGGTCTTTGAGAAGTGCAGCTGGCGACCTGCACTCCCCGGGAACCTGGA GTGGCTGGCGGAGACGTCTGCTCCTCCGACTNCTTCAACGAGGACATCGCGGTCTTCGCC AAGCAGTTTCGCGCCGAAAAGCCACTTTTTCTCANATCCAGAGCTGGGACATTTGATG ATACAAAGCATACANGTACTAAGGTTTCATCTTTGGAGTTAGAAAGGTCCACGAACTGT GCGANTACTTCTGCCACCGATACATTANCTGNNTTGAAGGGGAAATGCCCATCGACCTC GTCATTGATGAAAGAGACGGCAGCTCCAGTCCGATCATGAAGAACTTTCANGGCTCNC ACAATCTCGTGACCATAACCTTNNCTCTGGCGAGACCAGATGATGCAAACCTCCACCC ACTCAGCAGGCACCCAGGGCCCTCAGTGGGGGCCATGCTTCCACNACGGAGCAACAGCA NGAGCACGGGGATGGNTTANACAACANGTAGCTCACCTGGTCAGNGACGATGATGAT
Restriction Sites:	NotI-NotI
ACCN:	NM_170676
Insert Size:	2850 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).
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:	NM_170676.2 , NP_733776.1
RefSeq Size:	3604 bp
RefSeq ORF:	1413 bp
Locus ID:	4212
UniProt ID:	O14770
Cytogenetics:	15q14
Domains:	homeobox

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]
Transcript Variant: This variant (d) uses an alternate in-frame splice junction at the 5' end of a coding exon and lacks the exon containing the stop codon compared to variant a, that causes a frameshift. The resulting isoform (d) lacks an alternate internal segment and has a longer and distinct C-terminus compared to isoform a. Variants d and i both encode the same isoform (d).