

## Product datasheet for **SC208978**

### MRG15 (MORF4L1) (NM\_006791) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	MRG15 (MORF4L1) (NM_006791) Human 3' UTR Clone
Symbol:	MRG15
Synonyms:	Eaf3; FWP006; HsT17725; MEAF3; MORFRG15; MRG15; S863-6
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_006791
Insert Size:	1102 bp
Insert Sequence:	>SC208978 3'UTR clone of NM_006791 The sequence shown below is from the reference sequence of NM_006791. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b> =Stop Codon <b>Red</b> =Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CCTCCTGAGTACCATCGGAAAGCTGTGTGAGAGGCACTCTCACTCACTTATGTTTGGATCTCCGTAAC
ACATTTTTGTTCTTAGTCTATCTCTTGACAAACGATGTGCTTTGAAGATGTTAGTGATAACAATTGA
TGTTTGTCTTCTGTTGATTTAAACAGAGAAAAATAAAAGGGGTAATAGCTCCTTTTTCTTCTTT
CTTTTTTTTTTTCATTTCAAATGCTGCCAGTGTTCATGATGGACAACAGAGGGATATGCTGTAG
AGTGTTTTATTGCTAGTTGACAAAGCTGCTTTTGAATGCTGGTGGTCTATTCTTTGACACTACGCA
CTTTTATAATACATGTTAATGCTATATGACAAAATGCTCTGATTCTAGTGCCAAAGGTTCAATTCAGT
GTATATAACTGAACACACTCATCCATTTGTGCTTTTGTTTTTTTTATGGTGCTTAAAGTAAAGAGCCC
ATCCTTTGCAAGTCATCCATGTTGTTACTTAGGCATTTTATCTTGGCTCAAATGTTGAAGAATGGTGG
CTTGTTTCATGGTTTTGTATTTGTGTCTAATGCACGTTTTAACATGATAGACGCAATGCATTGTGTAG
CTAGTTTTCTGGAAAAGTCAATCTTTAGGAATGTTTTTCAGATCTTCAATAAATTTTTCTTTAAAT
TTCAAAGAACAATGTGCTTGTGTGATGCCTTACAAAAACCATTGTATATTTGTGTATTCTTCTTGTA
TTTAGACAGTGGTTTTTCAGGTGCGTGTGTTTTCTGGTATGGCCTTTATGGAATGAGACGCTTTAG
CTTTGGTACGTAGCGCTAATCCATAGCAGCTTTGGCAGTTTGCTGTCTTGAAGTCTTAGCTAAAAAGTTA
GAAGTTTACATGACTGTTTTTTTTATTTTCCCTAAATTATTACTTACTCTGAGCATTAAATTAAGGCAT
TTTCACCTGTGTAATAATGATGGTCAAGCTTTTTCTGTCTATAATTGTTTACTTTTGTGGGTTTACTCTA
GAAACATGAGCCAAAAATGTCAATAGACAACACAGTATTAATAAACCCTAAAGTTGTAAGGGCAA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI



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<b>OTI Disclaimer:</b>	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
<b>Components:</b>	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
<b>RefSeq:</b>	<a href="#">NM_006791.4</a>
<b>Summary:</b>	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. The NuA4 complex ATPase and helicase activities seem to be, at least in part, contributed by the association of RUVBL1 and RUVBL2 with EP400. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Also component of the mSin3A complex which acts to repress transcription by deacetylation of nucleosomal histones. Required for homologous recombination repair (HRR) and resistance to mitomycin C (MMC). Involved in the localization of PALB2, BRCA2 and RAD51, but not BRCA1, to DNA-damage foci. [UniProtKB/Swiss-Prot Function]
<b>Locus ID:</b>	10933
<b>MW:</b>	43.4