

Product datasheet for **SC115850**

MRG15 (MORF4L1) (NM_006791) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MRG15 (MORF4L1) (NM_006791) Human Untagged Clone
Tag:	Tag Free
Symbol:	MORF4L1
Synonyms:	Eaf3; FWP006; HsT17725; MEAF3; MORFRG15; MRG15; S863-6
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>OriGene ORF within SC115850 sequence for NM_006791 edited (data generated by NextGen Sequencing)

```
ATGGCGCCGAAGCAGGACCCGAAGCCTAAATTCCAGGAGGGTGAGCGAGTGCTGTGCTTT
CATGGGCTCTTCTTTATGAAGCAAAGTGTGTAAGGTTGCCATAAAGGACAAACAAGTG
AAATACTTCATACATTACAGTGGTTGGAATAAAAAATTGGGATGAATGGGTTCCGGAGAGC
AGAGTACTCAAATACGTGGACACCAATTTGCAGAAACAGCGAGAAGCTTCAAAAAGCCAAT
CAGGAGCAGTATGCAGAGGGGAAGATGAGAGGGGCTGCCCGAGAAAGAAGACATCTGGT
CTGCAACAGAAAAATGTTGAAGTAAAAACGAAAAAGAACAACAGAAAAACACCTGGAAT
GGAGATGGTGGCAGTACCAGTGAGACCCCTCAGCCTCCTCGGAAGAAAAGGGCCCGGTA
GATCCTACTGTTGAAAATGAGGAAACATTCATGAACAGAGTTGAAGTTAAAGTAAAGATT
CCTGAAGAGCTAAAACCGTGGCTTGTGATGACTGGGACTTAATTACCAGGCAAAAACAG
CTCTTTTATCTTCTGCCAAGAAGAATGTGGATTCCATTCTTGAGGATTATGCAAATTAC
AAGAAATCTCGTGAAACACAGATAATAAGGAGTATGCGGTTAATGAAGTTGTGGCAGGG
ATAAAAGAATACTTCAACGTAATGTTGGGTACCCAGCTACTCTATAAATTTGAGAGACCA
CAGTATGCTGAAATCTTGACAGATCATCCCGATGCACCCATGTCCAGGTGTATGGAGCG
CCACATCTCTGAGATTATTTGTACGAATTGGAGCAATGTTGGCTTATACACCTCTGGAT
GAGAAGAGCCTTGCTTTATTACTCAATTATCTTCAGATTTCTAAAGTACCTGGCAAAG
AATTCTGCAACTTGTTCAGTGCCAGCGATTATGAAGTGGCTCCTCCTGAGTACCATCGG
AAAGCTGTGTGA
```

Clone variation with respect to NM_006791.2



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006791 unedited TACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGATGTAGAGCTGGCAGTGCC TGACGGCGCGTCTGACCGGAGTTGGGTGGGTAGAGAGTAGGGGGCGGTAGTCGGGGGT GGTGGGAGAAGGAGGAGGCGCGGAATCACTTATAAATGGCGCCGAAGCAGGACCCGAAGC CTAAATCCAGGAGGGTGAGCGAGTGTGTGCTTCATGGGCCTCTTCTTATGAAGCAA AGTGTGTAAGGTTGCCATAAAGGACAAACAAGTAAAATACTTCATACATTACAGTGGTT GGAATAAAAATTGGGATGAATGGGTTCCGGAGAGCAGAGTACTCAAATACGTGGACACCA ATTTGCAGAAACAGCGAGAATTCAAAAAGCCAATCAGGAGCAGTATGCAGAGGGGAAGA TGAGAGGGGCTGCCCCAGGAAAGACATCTGGTCTGCAACAGAAAAATGTTGAAGTGA AAACGAAAAAGAACAAACAGAAAAACACCTGGAATGGAGATGGTGGCAGTACCAGTGAGA CCCCTCAGCTCCTCGGAAGAAAAGGGCCCGGTAGATCCTACTGTTGAAAATGAGGAAA CATTATGAACAGAGTTGAAGTTAAAGTAAAGATTCCTGAAGAGCTAAAACCGTGGCTTG TTGATGACTGGGACTTAATTACCAGGCAAAAACAGCTCTTTTATCTTCTGCAAGAAGAT GTGGATCCATTCTTGAGGATTATGCAAATACAAGAAATCTCGTGGAAACACAGATATA ANGAGTATGCGGNTAAATGAAAGTTGTGCAGGNATAAAGAATACTTCACGTATGGTGGG TACCCAGTACTCTATAAATTGGAGACCACATATGCTGAAATCTTGCAGATATCCCGATG CACCATGTNCCCAGTGTATGGAGCGCACATTNCTGAGATNATTGTACAAATGNAGCATGT GCTTAT
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_006791 unedited NNNNNTTTTTTATTTGNANGCGGCCGAATCTANATCGAGTTTTTTTTTTTTTTTTTTTCT TTGAAATTTAAAGAAAAAATTATTGAAGATCTGAAAAACATTCCTAAAAAATTGACTTTT CCAGAAAAGTACACAAATGCATTGCGTCTATCATGTTAAAACGTGCATTAGACACAA ATACAAAAACCATGAAACAAGCCACCATTCTTCAACAATTTGAGCCAAGATAAAATGCCT AAGTAACAACATGGATGACTTGCAAAGGATGGGCTCTTTACTTTAAGCACCTTANAAAA AACAAAAGCACAATGGGATGAGTGGTGNNTCAGTATATACACTGAANTNGAACCTTTGG CACTAGGAATCAGAGCATTTTGTATATAGCATTAAACATGTATTATAAAAGTGCGTANTG GTCAAGGATTANAACCACCAGCATTCAAAAAGCAGCTTTGTCAACTAGGCAATAAAACACT CTACAGCATATTCCTTCTGTTGGCCATCATTGAAAACACTGGGCAGCATTTTTGGATTGG AAAAAAAAAGGAAGAAAGGAAAAAGGGCCCTTACCCCTTTTATTTTTCTTTGTTAA ATTCCAACGGAACCAAACTCCATTGGTATACCCTAACCTTTTAAAAGCACTTGTTTGTC CCAGAAATTTGGCTAAAACCAAAAGGGGTTCCGGGGAATCCAACCTAGGGGAGGGAAAGG CCTTTTACAACGTTTTCCAGGGGTTCCAGGGGGCCCTTTTAAATCCTGGGCCTGGA AAAAGTTGAAAAATTTTTGCCCGGTCCTTTGGGAAATCGGAAAAAATTTGGGTATAAAAC GGGGTTTTTTCTATCACAAAGGGGTAAACCAAATTTGTCCATTTTACAAAAAATTGGA GAAAAGGGGGGCCCAACCCGGGAAAAGGGGGCCCGGATAAATCCCAAAAATTCACCT CCGGGGTTTTAAATTTAAAAACGGGGGCCCCCATCCGGAGGAATTTTTCCGCCGCCA CTAAA
Restriction Sites:	NotI-NotI
ACCN:	NM_006791
Insert Size:	1790 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).
RefSeq:	NM_006791.2 , NP_006782.1
RefSeq Size:	1852 bp

RefSeq ORF:	972 bp
Locus ID:	10933
UniProt ID:	Q9UBU8
Domains:	CHROMO
Protein Families:	Transcription Factors
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>