

Product datasheet for **SC216007**

MAX (NM_145113) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MAX (NM_145113) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MAX
Synonyms:	bHLHd4
ACCN:	NM_145113
Insert Size:	1651 bp



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Insert Sequence: >SC216007 3'UTR clone of NM_145113
 The sequence shown below is from the reference sequence of NM_145113. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CTGGAGCAGCAAGGGGAAAGCGAGAGCTGATCAAGTTCTTTGTTCTGGGAATTCACTTCTTCTCCTC
CCTCATGGAAGATGCAAGTAAAAGGAAATGCAAGTAACCACCTGGTCCGTGCACTGGAGAAGGCGAGGT
CAAGTGCCCAACTGCAGACCAACTACCCCTCCTCAGACAACAGCCTCTACACCAACGCCAAGGGCAGCA
CCATCTCTGCCTTCGATGGGGCTCGGACTCCAGCTCGGAGTCTGAGCCTGAAGAGCCCCAAAGCAGGA
AGAAGCTCCGGATGGAGGCCAGCTAAGCCACTCGGGCAGGCCAGCAATAAAAACTGTCTGTCTCCATC
GTCTCATCTCTTTTCAGTTCGTTGGTAGAGCCCTCAGAACATTTAAGAGACTCTTTATTTTTCTCTT
TCTCCCTTTTTTTTTAAATTTTTATTTTTACGTAGAAGCTCTTGACAACAGCTCTCGTCTCCTTCC
CCATTTCCACTGTATTTTTTAAATGTATTCCTTCAGGGATTCCCTGTCCCAACAGGAATTTTTAAA
CCAAAACACCCCAACTTGGCAGCTTTTTCTGTGGAGGACAGACGCCGGCCGGACCTCTGAGCACATAG
TGTCTGCCACCCCTACCAGCTCCTCCAGCCCTGCCGGGCACATGCCCGGGGACGCCTGCCCTGCCCA
GGTGGCCCTCTGGCCCGCCCTCACCTCTGATAGACTTTGTGAATCTGAACTGCTCTACTTTGAGAAGAT
GACCGGTTTGGAGTAATCAGAATGAACCCTCCTCTTTTTAAGGGTTTTTTTTTTTTCTTTTTCTAAA
AAGCTATGTATCGCTCCTATTGAAAGACCAGATCCTTAGAGAAGTTTGGGTATAAAAAGGAAGTGGGG
ACAGATTTCGACAGCAGAGTTCGCTGGCATGTTTCACTCCTGCTTCTCAGCCAGCTGTTAAGCCTGC
GGCCAGCCTCACGGAGGGCCGTGTGACACTCTCGTGGTATGTATGGGAGATGGCAGCAGTGAAGCAG
CAGCCACCAGGGAGTGGCCATTTGGGGTTGGGACAGGGAGGGTGTGGTGGGTGGCATAGAGGTTTTGTA
TTGAGGGCCAGTGATGATGTTTTGATATTTTCTGCTACTTAAATTTGAATCTGAGTGAATTGTAC
CTATTTCTGATGATGTCGGTCTTGCAAAGCGACAGATTCAAAAGTAATGATGAAATCTTTCTTTCTTC
CCGTGTGTATTTCTAAGAAATAGAGCCAACTGATTTTGTATGTAATACCAAGAGCAATTTACCTGGTA
CTAAACCCGCACCCAGTGGGACCCCTCCAGCCCTCATCCACTTCTTTCTACTGCTCCTGGAACC
TGTCTCCATTGTGTGATCCAGCCCTGGTCTGGCTGTGGTGTGAGCAGATGCCAGTGAAGGGTTTTGTGTG
TTTAGGCCTCATTCTTTGTCTTTTCTACTCCGTTCTGGCATTGCTGATTCTAGTGTATACTCT
GTAGTCTCAGTTCGTGTTTATTCCATTCCATGGAATAAAAAAGTATGTTGTACATACTGCCGAAGAAT
TGTCTTGAAGTTAAGGCTTCCCTTTACTATAAGACTATAAAATAAAACTTATTTTATCCTT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: 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).

Components: 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.

RefSeq: [NM_145113.3](#)

Summary:

The protein encoded by this gene is a member of the basic helix-loop-helix leucine zipper (bHLHZ) family of transcription factors. It is able to form homodimers and heterodimers with other family members, which include Mad, Mxi1 and Myc. Myc is an oncoprotein implicated in cell proliferation, differentiation and apoptosis. The homodimers and heterodimers compete for a common DNA target site (the E box) and rearrangement among these dimer forms provides a complex system of transcriptional regulation. Mutations of this gene have been reported to be associated with hereditary pheochromocytoma. A pseudogene of this gene is located on the long arm of chromosome 7. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2012]

Locus ID:

4149

MW:

61.7