

Product datasheet for **SC215368**

HMBOX1 (NM_001135726) Human 3' UTR Clone

Product data:

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|---------------------------|--|
| Product Type: | 3' UTR Clones |
| Product Name: | HMBOX1 (NM_001135726) Human 3' UTR Clone |
| Symbol: | HMBOX1 |
| Synonyms: | HNF1LA; HOT1; PBHNF; TAH1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pMirTarget (PS100062) |
| ACCN: | NM_001135726 |
| Insert Size: | 2000 bp |



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Insert Sequence: >SC215368 3'UTR clone of NM_001135726
 The sequence shown below is from the reference sequence of NM_001135726. 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
ATCAAGACAGAGGCCCTGGATGATGACATCAGGGAGGTTAAACATGACAAGTTAACTTAGTTAGAC
GTAGCACCTTAGCAGACTTTCTCGTCTTAACATGTGTTCTTACAGTATAACTTGCAGTTTCTTGTA
TGTGAGGTAGCTGTTAGGGTCTTGTCTGTGAAGATGGCATGGTGCCTCAGCCTTTCATATACTCTC
TCAGTATAACTCCCAGTAAATAATAACCAACCAACCAACCAACTTCCCTCTCCAGCCCCGAGGCT
AGAAAATCTTGCTGCTCCGTCTTAGCATTCCAAGAAAGTGCTCCAGGTATTTAGATAGCCCTCAGTTC
TCAAAATATTAGACTACGTGTAATAATCTGGGTACCTTTAGATTCTGTAACTAGTCTGTACTCCCTT
TTCCTTCCCCAAGACTGATAGGATGCAAGCTGAGGTCGTGGCACAGGAATGACAGACACCATTTGGGGA
GTATCCACAGAGTCAAAGGAACACTAGAATCCCCACCTCAGCGTGAGGATAATTGATTTCCAGCTGCAA
TAAGCCGTGCCTCATTATAGCCACACTGTGGCTAGATTATACTTCTTTGGGTGCTGTGCTAAGAATGTC
AATGGA AAAAGCCGATCTCAGATTTTGTGTTGAAGTTAACATGCCTGACACAGACATCCTTTCCTCTCAC
AAGCTGTGTGACTTAGTAGATAAAATACTGCCTTCTGCCTTTGGGACCATGATTA AAAACAAAGACAAA
AACCAAAAGTCATTA AAAAAAAAAAAAAAAAAAAAAACCCAGCTTGAGAGCATTGGAAAAAAAAAATATGAG
CTGAATGTCTAATGGATGCTAAGTCCAGTTTTCAGAACCACTGTACATCCACGGCACAGTTAGCAGTG
CCTGCCTGGAAAAGTTTTGGAGGTCATCGTGGAAGTTGCTTTGCCTCCTGTCAGTGTCCCCTTCCCTG
CTACCAAAAAGTCTTTCAAGGATGGAGCTAAGGTCAAAAATGAGTGAAAAA ACTTGCAAGTGTGTTGAT
CCATTAACGGAAAGCCCCCTCACTCTGAGAGTCACTAGAGGACTCATAGTGGGGTTGTGCTGCTTAT
CACAGATGCAGACACTTGCCAGATAGGAGCAGAGAAAAGCAGGGGACGTTTCTACTCACATTGTGGC
TGTATGAGAACACGATGGGACTGCTTGTCTCTTTACTCTGTCTTGGAGAGGTGTGAAAAGCTG
TATTGCTACAGGCAATTTATTTAATAATTGGAAGCCATATTGATAATGGATGTGGTAATATTTGTAAG
TTTAATCTACTTTAAGCGGCAGTAACTAATGGAATTTTTTTTCTTGATCACATATGTAGCACTTTTGT
ACTTTTTAAAGATATTTATTTGATAAATCTTTTTTTCATTTTGAGAACTCAAAATACCAACAGTGA
ACTTGCACTTAAAGTCAACCTGTGATCACCTGTGATCTAGTAGCAAAATGATGAACTATTCATGCAT
CAAAGAAAATTACATCTGCTGGCCTTGATGAAAATGATCTCTTGGCATCCCGATTAATGACACACTG
TCACTGTGGGTAAGAGGAAAGAGCCTTCAATGTAGCAGCACAGGGTGGCCTGAAAGAGGCACA ACTGC
TGTGGATTTTCTGCCTCGCTCCATCTCTCTATGTATAATGAAGCCTTGTAAAGGGGCATGTGGGGC
TGGATGTTAAGCACGGCTTCTTTTTGTCCGTTACCTGAAAACAATTTCTAAGATAAAAAGGAAGGTGCCA
TTTCTTACCTCTTACCCATCCTCCTCCACCAATGTATTCAACTTAAA ACTGTGAGAGAGAGAGACT
GAATGACCTTCTCAGTTTTCCCTTTCTCATTCAAGGAGATACTGAATATCCGCCAGTTTGTAGTTGGTT
TCCTTCCACTTAAGGCACACGCTGACTGCATCATTTCTTATCTGTTAATCCTGCTTATGTGAGTGTG
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: Sgfl-Mlul

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_001135726.3](#)

Summary: Binds directly to 5'-TTAGGG-3' repeats in telomeric DNA (PubMed:23813958, PubMed:23685356). Associates with the telomerase complex at sites of active telomere processing and positively regulates telomere elongation (PubMed:23685356). Important for TERT binding to chromatin, indicating a role in recruitment of the telomerase complex to telomeres (By similarity). Also plays a role in the alternative lengthening of telomeres (ALT) pathway in telomerase-negative cells where it promotes formation and/or maintenance of ALT-associated promyelocytic leukemia bodies (APBs) (PubMed:23813958). Enhances formation of telomere C-circles in ALT cells, suggesting a possible role in telomere recombination (PubMed:23813958). Might also be involved in the DNA damage response at telomeres (PubMed:23813958).[UniProtKB/Swiss-Prot Function]

Locus ID: 79618

MW: 75.9