

## Product datasheet for **SC212938**

### HP1 gamma (CBX3) (NM\_007276) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	HP1 gamma (CBX3) (NM_007276) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	CBX3
Synonyms:	HECH; HP1-GAMMA; HP1Hs-gamma
ACCN:	NM_007276
Insert Size:	1429 bp



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**Insert Sequence:** >SC212938 3'UTR clone of NM\_007276  
The sequence shown below is from the reference sequence of NM\_007276. 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
CATTCTTGTCAGAAAGATGAAGCTCAATTAATTGTTACATTGTTCTTTTATATATATTTATATATATAT
ATAAAAATTGGGTCTTAGATTTTGTATTTACTAGTGTGACAAAATAACTACATCCTAATGAAAATCAAGT
TTGATATGTTTGTGTTTGAAGTAGCGTTGGAAGAGTTGTTGGGGGTTTTTGCATCCATAGCACTGGTT
ACTTTGAACAAAATAAAAGCTTTCTGTAGTTGCTTCTTTATCAGAAAAGAACATTTGATACCATG
GTATATCATTTCTCTTCAATAAAGAACAGCTTTCTAAATGTTGGGGGAAATGTCCATAGTCATTACT
CAGTCAAACTTGTGTTCTCATGAGCCTAAGGACCATTCTAGATTTATTACGTGTTTTTGTGTGTGTG
TGTGTGTGTGTGTGTGTGTATCCATAAAATGCATATGTAATTTTTTTTTGTTTTAAGCATTACC
CAAACAAAAAATCACAGGTAACCCATGTTTCTGAGATGCCATTATTCCAAGCAAAAATAAGAGATAAT
CCCTTCAAGTTAAATTGAAAATTTCTGAAACCATACATTTCAAGTAAATAAGTAATTCTAGATAGG
ACAATTTAAATTGGATAATTTAAAGTGTCTAATTTGCAGTGGTTTATTTGCAAAATTCCTAAAAGGA
AAAATTTTATCACTGCCATCACAGCAGGTTTCTCATCCAGATGAGGAACTAGACAAAATGCTAGTGTG
TTTTAACTAGCTAAACAAAATAAGTAAATGAACATTTAAAAGTTTCCCTAGCGGGCCATTCTTAGC
AAAATGTTGGAATCCCTGTTGCTACATTGACTAAAAGGTCATGATGAATGGAATATGTAAGACTGGCT
CATAGAAACCTAATCAGATGGTTAGAGGTGTTGGCAGTTTAGGACCTGCTGCATAAATGTGTGAACAA
CCTTTTGTAACTAACCTATTGACCTGCATGTTTTTCTTTACCCCAATTCATTACATGGAGGCTCAAT
CTTGAGTTTGCTTTACTGGTTCAGCAAAAAGCCAGGAAGAACAACCTTTGTAGTAATCAAAATGTTATCCA
ACTGTATATTGTTACTTTATTGTAATACTGGTGAACAGTGGTTAATAAATAGTTTTATTTCTTTTA
TGCAATTTAGACTTTTTTCTTTATTTGATATGCCTTTACAGTAGAAATAGAAATGCCACACTCATT
GGATTATCTTTGTTTATAAGTTAGATGATACCAGTAAGGCATTACAGTACATATCCTAGATCTTTTGAG
CTTACGAGTTTTAACTTGAATATGATTTCCACAGGAATGTTTCCACAGTTGGGAAATAAAAGTTTCA
TGTGATGCCTAGGGTCAATTGTCTCATTAAAATGAGGTTTTAAATTCTG
ACGCGTAAGCGGCCGCGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTTGATTCCACCGCCCTTCTATGAAAGG
```

**Restriction Sites:** Sgfl-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\\_007276.5](#)

**Summary:**

At the nuclear envelope, the nuclear lamina and heterochromatin are adjacent to the inner nuclear membrane. The protein encoded by this gene binds DNA and is a component of heterochromatin. This protein also can bind lamin B receptor, an integral membrane protein found in the inner nuclear membrane. The dual binding functions of the encoded protein may explain the association of heterochromatin with the inner nuclear membrane. This protein binds histone H3 tails methylated at Lys-9 sites. This protein is also recruited to sites of ultraviolet-induced DNA damage and double-strand breaks. Two transcript variants encoding the same protein but differing in the 5' UTR, have been found for this gene. [provided by RefSeq, Mar 2011]

**Locus ID:**

11335

**MW:**

55.5