

## Product datasheet for **SC104351**

### HP1BP3 (BC032139) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HP1BP3 (BC032139) Human Untagged Clone
Tag:	Tag Free
Symbol:	HP1BP3
Synonyms:	heterochromatin protein 1, binding protein 3; HP1-BP74; MGC43701; OTTHUMP00000002716; RP5-930J4.3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC104351 sequence for BC032139 edited (data generated by NextGen Sequencing) ATGGCGACTGATACGTCTCAAGGTGAACTCGTCCATCCTAAGGCACTCCCACTTATAGTAGGAGCTCAGCTGATCCACGCGGACAAGTTAGGTGAGAAGGTAGAAGATAGCACCATGCCGATTCGTCGAACTGTGAATTCTACCCGGGAACTCCTCCAAAAGCAAGCTTGCTGAAGGGGAGGAAGAAAAGCCAGAACCAGACATAAGTTCAGAGGAATCTGTCTCCACTGTAGAAGAACAGAGAATGAACTCCACCTGCTACTTCGAGTGAGGCAGAGCAGCCAAAAGGGGAACTGAGAATGAAGAGAAGGAAGAAAATAAGTCTTCTGAGGAAACAAAAGGAGAGAGCTGATAGTATTCATTCCACTCTTTTCATAATTGGTCAGAACAGTTAG
	Clone variation with respect to BC032139.2



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC032139 unedited NNNCCCGTAATTACCCCCGCCCGTTGNCGCAAAGGGCGGTAGGCGGTACGGTGGGAGGT CTATATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGC AGCGGCCGCGAATTCGGCACGAGGGCGGAGCGCCGAGGCTCGCGTTCGCCGCTGCTTCC GTCGCCGGGGCGGGCGCCGCGGTGCCCTGCCGAGCGTGAGCCCCGAAGTGTACCCGCGC CGAGCCCCAGCCTCATCCGTCCGTGCCGCGTTGATTCTTACCACACTGAAACCATTA GGAAAAATCCTTGTGGTTAACAGCAGAGGCTTCAGAGTGAACCTGTACTCGGGCCTAGA AATTATTTAAAATGGCGACTGATACGTCTCAAGGTGAACCTCGTCCATCCTAAGGCACTCC CACTTATAGTAGGAGCTCAGCTGATCCACGCGGACAAGTTAGGTGAGAAGGTAGAAGATA GCACCATGCCGATTCGTGCAACTGTGAATTCTACCCGGGAAACTCCTCCAAAAGCAAGC TTGCTGAAGGGGAGGAAGAAAAGCCAGAACCAGACATAAGTTCAGAGGAATCTGTCTCCA CTGTAGAAGAACAAGAGAATGAAACTCCACCTGCTACTTCGAGTGAGGCAGAGCAGCCAA AGGGGGAACCTGAGAATGAAGAGAAGGAAGAAAATAAGTCTTCTGAGGAAACCAAAAAGG AGAGAGCTGATAGTATTCATTCCACTCTTTTCATAATTGGTCAGAACAGTTACGAATTGC TTTTAACTATAGTCATGCATTGCTTAACAATGGGTATACATTCTGAGAGAACATCTTTAG GCGATTCATCATCGTGCCACATCATACAGTGTACTTAACAGACCC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC032139
<b>Insert Size:</b>	4700 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC032139.1</a>
<b>RefSeq Size:</b>	954 bp
<b>RefSeq ORF:</b>	954 bp
<b>Locus ID:</b>	50809
<b>Cytogenetics:</b>	1p36.12

**Gene Summary:**

Component of heterochromatin that maintains heterochromatin integrity during G1/S progression and regulates the duration of G1 phase to critically influence cell proliferative capacity (PubMed:24830416). Mediates chromatin condensation during hypoxia, leading to increased tumor cell viability, radio-resistance, chemo-resistance and self-renewal(PubMed:25100860).[UniProtKB/Swiss-Prot Function]