

## Product datasheet for **SC320017**

### HJURP (NM\_018410) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HJURP (NM_018410) Human Untagged Clone
Tag:	Tag Free
Symbol:	HJURP
Synonyms:	FAKTS; hFLEG1; URLC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_018410.3  
 ATGCTGGGTACGCTGCGCGCCATGGAGGGCGAGGACGTGGAAGACGACCAGCTGCTGCAG  
 AAGCTCAGGGCCAGTCGCCGCCGCTTCCAGAGGCGCATGCAGCGGCTGATAGAGAAGTAC  
 AACCAGCCCTTCGAGGACACCCCGGTGGTGAAATGGCCACGCTGACCTACGAGACGCCA  
 CAGGGATTGAAATTTGGGGTGGAACTAATAAAGGAAAGAAACAAAGGAGAGATCCAG  
 GACTCCTCCATGAAGCCCGCGGACAGGACAGATGGTCCGTGCAAGCTGCAGCCTGGGGT  
 CCTGAGCTTCCCTCGCACCGCACAGTCTGGGAGCCGATTCAAAAAGCCGGTGAGGTCGAT  
 GCCACGTGACACCAGGAAGAGTCAGTTGCTTGGGCCTTAGCACCTGCAGTGCCTCAAAGC  
 CCTTTGAAAAATGAATTAAGAAGGAAATACTTGACCCAAGTGGATATACTGCTACAAAGT  
 GCAGAGTATTTGAGTGTGCAGGTAACAGAGCTGGAAGGGATGTACGTGTGACTCCGCTG  
 CCTTACTGGCCTCACCTGCCGTGCCTGCCCCGGATACTGCAGTCGATCTCCGAAAG  
 AGTCTGGTGACCCAGCGAAACCAGCTTCATCTCCAGAGAATGGGATCCTTTGCATCCT  
 TCCTCCACAGACATGGCCTTAGTACCTAGAAATGACAGCCTCTCCCTACAAGAGACCAGT  
 AGCAGCAGCTTCTTAAGCAGCCAGCCCTTTGAAGATGATGACATTTGCAATGTGACCATC  
 AGTGACCTGTACGAGGGATGCTGCACTCCATGAGCCGGCTGTTGAGCACAAAGCCATCA  
 AGCATCATCTCCACAAAACGTTTCATCATGCAAACTGGAAGTGCAGGAGGAGGCACAGA  
 TATAAGAGCAGGATGAACAAAACATATTGCAAAGGAGCCAGACGTTCTCAGAGGAGCTCC  
 AAGGAGAACTTCATACCTGCTCTGAGCCTGTGAAAGGGACAGGGGCATTAAGAGATTGC  
 AAGAACGTATTAGATGTTTCTTGCCGTAAGACAGGTTTAAATTTGAAAAAGCTTTTCTT  
 GAAGTCAACAGACCCCAATCCATAAGTTAGATCCAAGTTGGAAGGAGCGCAAAGTGACA  
 CCCTCGAAGTATCTTCTTGTACTTCGACTCCAGTGCAACATATAATCTTGATGAG  
 GAAAAATAGATTTAGGACATTAATGGTTAATTTCTCTGTAAAAATAGTTTCCAGACCA  
 ACAATACGACAGGGCCATGGAGAGAACCCTGAGAGGGAGATTGAAATCCGATTGTGACG  
 CTTTCATCGGGAATATTGCTGAGTCCCAGGAACAGCCTCGCCGGATGTGCCTCCCGGAC  
 TCTGGGCCATGAACATGTACAGAGGGGTCTGCGAGTCTGGTGGCCTTCAGGGCTTA  
 GAAACCCGACGGCTGAGTTACCTTCCAGCAAAGCAAAGCAAAGTAAAGTGAAGGCT  
 TTTGAAACCTAGGCAAAGATCTCTGGAAGCAGGTAGGTGCCTGCCAAGAGCGATTCA  
 TCTTCATCACTTCAAAGACCAACCCACACACAGCGCAACTCGCCCGCAGCAGACATCT  
 GACCTTCAGTTCAGGAAATAGTTCTGGAATATTTAGAAAGTCAGTGTACCCAGCAAA  
 ACTCTTTCAGTCCAGATAAAGAAGTCCAGGCCACGGAAGGAATCGTTACGATGAAATT  
 AAAGAAGATTTGACAAGCTTCATCAAAGTATTGCCCAAATCTCCTGGGCAGATGACA  
 GTGCCCTTATGATTGGAGTGTCTACAGATAAAGCAAGTATGGAAGTTGATATCAAACA  
 GAAGGCTTCTTAGGAAAATTAATCCAGACCCTCACTTCCAGGGTTTCCAGAAAGTGCCA  
 TCATCACCCCTGGGGTGCAGAAAAAGTCTACTGGGCTCAACTGCAATTGAGGCTCCTTCA  
 TCTACATGTGTTGCTCGTGCCATCACGAGGGATGGCAGGAGGGACCATCAGTTCCCTGCA  
 AAAAGACCCAGGCTATCAGAACCCAGGGCTCCGGACGCCAGGGCAATCCCTGGGTGCC  
 TCAGATGGGGTGGACAACACCGTCTACAGGATGGAAGAGAAAAGTATTTATGCTA  
 GAAAAATTGAAACTAAAAGTGTGTAGCTAGGTTATTTGAGAGTGTATTTATCTTCCCA  
 CTGCTCTGTTTGTATTTTGTGTTTGTGTTTGTGATTCTTGAGACTGTGAGGACTTGGTT  
 GACTTCTGCTCCCTTAAAGTAAATATTAGTAAATGGTTCCATCAGAGATAACCTCGAG  
 TTCTTGGTGTAGAAATTATGTGAATAAAGTTGCTCAATTAGAAAAAAAAAAAAAAAAAAAA  
 A

**Restriction Sites:** Please inquire

**ACCN:** NM\_018410

**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).

<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<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>	<u><a href="#">NM_018410.3</a></u> , <u><a href="#">NP_060880.3</a></u>
<b>RefSeq Size:</b>	3065 bp
<b>RefSeq ORF:</b>	2247 bp
<b>Locus ID:</b>	55355
<b>UniProt ID:</b>	<u><a href="#">Q8NCD3</a></u>
<b>Cytogenetics:</b>	2q37.1
<b>Protein Families:</b>	Druggable Genome
<b>Gene Summary:</b>	Centromeric protein that plays a central role in the incorporation and maintenance of histone H3-like variant CENPA at centromeres. Acts as a specific chaperone for CENPA and is required for the incorporation of newly synthesized CENPA molecules into nucleosomes at replicated centromeres. Prevents CENPA-H4 tetramerization and prevents premature DNA binding by the CENPA-H4 tetramer. Directly binds Holliday junctions.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a).