

Product datasheet for **SC337222**

HJURP (NM_001282962) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HJURP (NM_001282962) Human Untagged Clone
Tag:	Tag Free
Symbol:	HJURP
Synonyms:	FAKTS; hFLEG1; URLC9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001282962, the custom clone sequence may differ by one or more nucleotides

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ATGCTGGGTACGCTGCGGCCATGGAGGGCGAGGACGTGGAAGACGACCAGCTGCTGCAGAAGCTCAGGG
CCAGTCGCGCCGCTTCCAGAGGCGCATGCAGCGGCTGATAGAGAAGTACAACCAGCCCTTCGAGGACAC
CCCGTGGTGCAAAATGGCCACGCTGACCTACGAGACGCCACAGGGATTGAGAATTTGGGGTGAAGACTA
ATAAGGAAAGAAACGAAGGAGAGATCCAGCCTGCAGTGCTCAAAGCCCTTTGAAAAATGAATTAAGAA
GGAAATACTTGACCCAAGTGATATACTGCTACAAGGTGCAGAGTATTTGAGTGTGCAGGTAACAGAGC
TGAAGGGATGTACGTGTGACTCCGCTGCCTTCACTGGCCTCACCTGCCGTGCCTGCCCCGGATACTGC
AGTCGTATCTCCAGAAAGAGTCTGGTGACCCAGCGAAACCAGCTTCATCTCCAGAGAATGGGATCCTT
TGCATCCTTCTCCACAGACATGGCCTTAGTACCTAGAAATGACAGCCTCTCCCTACAAGAGACCAGTAG
CAGCAGCTTCTTAAGCAGCCAGCCCTTTGAAGATGATGACATTTGCAATGTGACCATCAGTGACCTGTAC
GCAGGGATGCTGCACTCCATGAGCCGGCTGTTGAGCACAAGCCATCAAGCATCATCTCCACCAAAACGT
TCATCATGCAAACTGGAACCTCAGGAGGAGGCACAGATAAAGAGCAGGATGAACAAAACATATTGCAA
AGGAGCCAGACGTTCTCAGAGGAGCTCCAAGGAGAACTTCATACCTGCTCTGAGCCTGTGAAAGGGACA
GGGGCATTAAAGAGATTGCAAGAACGTATTAGATGTTTTCTGGCGTAAGACAGGTTTAAAAATTGAAAAAG
CTTTTCTTGAAGTCAACAGACCCCAATCCATAAGTTAGATCCAAGTTGGAAGGAGCGCAAAAGTGACACC
CTCGAAGTATTCTTCTTGATTTACTTCGACTCCAGTGCAACATATAATCTTGATGAGGAAAATAGATTT
AGGACATTAATAATGGTTAATTTCTCTGTAAAAATAGTTTCCAGACCAACAATACGACAGGGCCATGGAG
AGAACCCTCAGAGGGAGATTGAAATCCGATTTGATCAGCTTATCGGGAATATTGCCTGAGTCCCAGGAA
CCAGCCTCGCCGATGTGCCTCCCGACTCCTGGGCCATGAACATGTACAGAGGGGGTCTGCGAGTCTT
GGTGGCCTTCAGGGCTTAGAAACCCGACGGCTGAGTTTACCTTCCAGCAAAGCAAAAGCAAAAGTTTAA
GTGAGGCTTTTGA AACCTAGGCAAAAGATCTCTGGAAGCAGGTAGGTGCCTGCCCAAGAGCGATTATC
TTCATCACTTCCAAGACCAACCCACACACAGCGCAACTCGCCCGCAGCAGACATCTGACCTTACGTT
CAGGAAAATAGTTCTGGAATATTTAGAAAGTCAAGTGTACCCAGCAAACTCTTTCAGTCCAGATAAAG
AAGTGCCAGGCCACGGAAGGAATCGTTACGATGAAATTAAGAAGAATTTGACAAGCTTCATCAAAAAGTA
TTGCCTCAATCTCCTGGCAGATGACAGTGCCTTTATGTATTGGAGTGTCTACAGATAAAGCAAGTATG
GAAGTTCGATATCAAACAGAAGGCTTCTAGGAAAATTAATCCAGACCCTCACTCCAGGGTTCCAGA
AGTTGCCATCATACCCCTGGGGTGCAGAAAAAGTCTACTGGGCTCAACTGCAATTGAGGCTCCTTCATC
TACATGTGTTGCTCGTGCCATCACGAGGGATGGCAGGAGGACCATCAGTCCCTGCAAAAAGACCCAGG
CTATCAGAACCCAGGGCTCCGGACGCCAGGGCAATTCCCTGGGTGCCTCAGATGGGGTGGACAACCCG
TCAGACCGGGAGACCAGGGCAGCTTTCACAGCCAACTCAGAAGAGAGAGGAGAGAACACGTCTTACAG
GATGGAAGAGAAAAGTGATTTTCATGCTAGAAAAATTGGAACATAAAAGTGTAG
    
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Restriction Sites: SgfI-MluI

ACCN: NM_001282962

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).

Components: 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).

Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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.
RefSeq:	<u>NM_001282962.1</u> , <u>NP_001269891.1</u>
RefSeq Size:	3027 bp
RefSeq ORF:	2085 bp
Locus ID:	55355
UniProt ID:	<u>Q8NCD3</u>
Cytogenetics:	2q37.1
Protein Families:	Druggable Genome
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) lacks two alternate exons that result in the loss of an in-frame segment in the 5' coding region, compared to variant 1. The encoded isoform (b) is shorter than isoform a.</p>