

Product datasheet for **SC337147**

HJURP (NM_001282963) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HJURP (NM_001282963) 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)

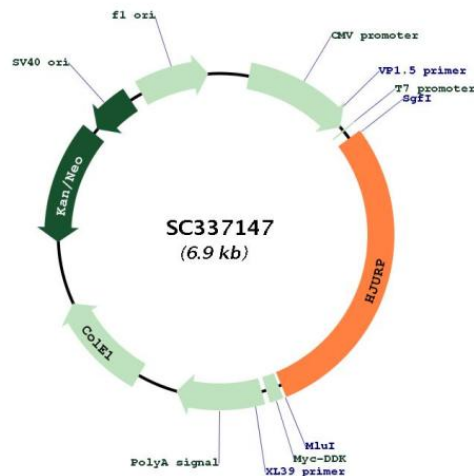


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Fully Sequenced ORF: >SC337147 representing NM_001282963.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTGGGTACGCTGCGGCCATGGAGGGCGAGGACGTGGAAGACGACCAGCTGCTGCAGAAGCTCAGG
GCCAGTCGCCCGCGCTTCCAGAGGCGCATGCAGCGGCTGATAGAGAAGTACAACCAGCCCTTCGAGGAC
ACCCCGGTGGTGCAAAATGGCCACGCTGACCTACGAGACGCCACAGGGATTGAGAATTTGGGTGGAAGA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001282963

Insert Size: 1992 bp

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:

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: [NM_001282963.1](#)

RefSeq Size: 2934 bp

RefSeq ORF: 1992 bp

Locus ID: 55355

UniProt ID: [Q8NCD3](#)

Cytogenetics: 2q37.1

Protein Families: Druggable Genome

MW: 74.4 kDa

Gene Summary:

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 (3) lacks three alternate exons that result in the loss of an in-frame segment in the 5' coding region, compared to variant 1. The encoded isoform (c) is shorter than isoform a.