

Product datasheet for **MC220297**

Hjurp (NM_198652) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Hjurp (NM_198652) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Hjurp
Synonyms:	6430706D22Rik; A730008H23Rik; C330011F01Rik; Gm975; Mfleg1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC220297 representing NM_198652
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGTCTATGGGTCGGCAGGACCGCAGGCTGCATCAGCAGCTTAAGGAAAGCAGTAGCCGCTCCAGA
 CGTTAATGAAGCGGCTGATAGCGAAGTACAACCGCCCTTTGAGGACGACCCGTTGGTGGAGATGAGGAC
 GTTAACCTACGAGACGCCCCAGGGTTGAGAGTTTGGGAGGAAAAGCTGATGAAGAAGGAAGACAAGGAA
 TACACTCAGGTGATTGACAGATTAATGGGCAAGCTCCAGAAGGTGATTCAGAGAGCAGCGGTGCGGATA
 CGAGCTTAGAGGAGAAGTGGCCATCTTGACGCTCAGCGATGAGAGAAGCCTCTGGTATCTAGGCAGCG
 TCAGCCTGCAGTGCCCGAAACACCTTGGAAACTGATTTAAGAAGGAAGTACTTGACCCAGGTGGATATA
 TTGCTCAAGATGAAGAGTATTTAAGAACGCAGAGAAGAGAGGTGAAAAGACACAGTCATGACTTGGG
 TTCCTCCGTGACCTCATCTGTACACCAGCCTCTGGATGCCAGGATGCTATCTCTGCAAAGAGCTCTGG
 TGGTCTGAAGTATCTGCTTTGCTCTAGAGGCCAGGGTCCCTCATACCCTTGCCAGCTGATATGGCC
 ATTGTGGCTAGAAGTATGAGCCTCTCTACTTGGGACCAGCAGCAACAGCGTAAGCAGCCAGTCCCTTTG
 AGGTTGATGACCTTTGCAATGTGACAATCAGCGATTTGTATGAAGGCATGATGCATTCCATGAGTAGGCT
 GCTGCGCTCAAAGCCATCCTGCATCATCTCCACCAAGACCTACATCAACCAGAGCTGGAAGCTCCGGAGG
 AGACCCTCACGAAGCAGGGGCTGCACAAGAACAGGACACACTGCCCCCGGAGCAAGCCCTCCAGAGGA
 GTGCCAGGAAGGGGCTGCGTCTGCTCAGAGCCCGGAAAGAGGCGGGAATATTAAGAGACTACGGGAA
 TTTACTGCAGTGTCTCCCAAGACAGGCTTAGAACTGAAAAGCGTTTCTCTGAAGGAAGCAAAACGC
 CAAGTCCATAAAATCCAGTCCAGCTTGAAGGAGCTCCAGATGATGCCGAGAAGGACTTGGACTTAAACC
 GTGAGCGAGAAAATAGGGTATGACATTACAGTGGCTAATTTACCCGTCAAGGTGGTCCAGACCAAG
 GATGCTTCCAAGTCAAGTAGAGAAGTGGTATAGAGAGATTAATAAATCAAATTTGACAAGCTTCATCAGGAA
 TATTGCCTGTCTCTGGGAAACAGCCTCGCTGACTGACCCACAGAGTCTTGGGCTGTCGATGTGTACA
 GAAGTGGTTCTAAGAGCCAGGCAGCCGTGAGGATGTAGAAACCTGCAGGCCAGTTCACCTTTCCGGCAG
 AGAAAAGACAGAAAGGCCAGGTGAAGCTTTAGAAGACCTGAGGGGAAATGGAAAGTCTGTCAAAACAAAG
 AGCTGTCTTCTAAGGAGCTGTCCCTCTCCAGAGGGCAGCCGTCACGGAGCCCGACCTTCTCAGCTGA
 GCTCTGGCCTTCAAGAGCACAATCTGAACTACTGGTAAGGCAGTGTGGCCAGTACAGCTATTTACAGC
 ACCAAGCATAGGCTCTCCAGGCTGTGGGAAGGATAACTATGATGAGCTTAAAAAGAATTCAACAGACTT
 TATCAGAAGTATTGTCTGTACCCGAGCGGGCGAAGGTGACTTCTGTGTCAGAGTATCGCCAATGAAAG
 CTGCTGCAGCTCTCCCTGTCAATCAGAGCACTTGAAGAGACTAAATCCAGACTCCCACAACAGAGTTC
 CCAGAAACGGTCAATCTCTCCTGGCTGTACAGAAGAGTCTGCAGGATCAACTGCACAGACTGCTAGT
 ACACTTGTGAGAGACTCTTGGCTGCCAACAAAGAGGTGCAAGTTGTCATACCCGGTAGCTTGTGCTCACC
 AGGCCAAGTTTACAGTACCTCAGGAGCATCAGGCTGGCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_198652
- Insert Size:** 2004 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_198652.2](#), [NP_941054.2](#)

RefSeq Size: 8449 bp

RefSeq ORF: 2004 bp

Locus ID: 381280

UniProt ID: [Q6PG16](#)

Cytogenetics: 1 D

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]