

Product datasheet for **MR209893**

Hjurp (NM_198652) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide
Sequence:

>MR209893 ORF sequence

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCCATGGAGTCTATGGGTCGGCAGGACCGCAGGCTGCATCAGCAGCTTAAGGAAAGCAGTAGCCGCTCCAGA
CGTTAATGAAGCGGCTGATAGCGAAGTACAACCGCCCTTTGAGGACGACCCGTTGGTGGAGATGAGGAC
GTTAACCTACGAGACGCCCCAGGGTTGAGAGTTTGGGAGGAAAGCTGATGAAGAAGGAAGACAAGGAA
TACACTCAGGTGATTGACAGATTAATGGGCAAGCTCCAGAAGGTGATTCAGAGAGCAGCGGTGCGGATA
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TCAGCCTGCAGTGCCCGAAACACCTTGGAAACTGATTTAAGAAGGAAGTACTTGACCCAGGTGGATATA
TTGCCTCAAGATGAAGAGTATTTAAGAACGCAGAGAAGAGAGGTGAAAAGACACAGTCATGACTTGGG
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TTTACTGCAGTGTCTCCCAAGACAGGCTTAGAACTGAAAAGCGTTTCTCTGAAGGAAGCAAAACGC
CAAGTCCATAAATCCAGTCCAGCTTGAAGGAGCTCCAGATGATGCCGAGAAGGACTTGGACTTAAACC
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ACCAAGCATAGGCTCTCCAGGCTGTGGGAAGGATAACTATTATGAGCTTAAAAAAGAATTCAACAGACTT
TATCAGAAGTATTGTCTGTACCCGAGCGGGCGAAGGTGACTTCTGTGGCAGAGTATCGCCAATGAAAG
CTGCTGCAGCTCTCCCTGTCAATCAGAGCACTTGAAGAGACTAAATCCAGACTCCCACAACAGAGTTC
CCAGAAACGGTCAATCTCTCCTGGCTGTACAGAAGAGTCTGCAGGATCAACTGCACAGACTGCTAGT
ACACTTGTGAGAGACTCTTGGCTGCCAACAAAGAGGTGCAAGTTGTCATACCCGGTAGCTTGTGCTCACC
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ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209893 protein sequence
Red=Cloning site Green=Tags(s)

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MESMGRQDRRLHQQLKESSSRFQTLMKRLIAKYNQPFEDDPLVEMRTLTYETPQGLRVWGGKLMKKEDKE
YTQVIDRLNGQAPEGDSESSGADTSLEENWPSCSSAMREASGDPRQRQPAVPGNTLETDLRRKYL TQVDI
LPQDEEYFKNAEKRGKDTVMTWVPSVTSVTPASGCQDAISAKSSGGPEVSALSSRGQGPSYPCPADMA
IVARSDGLSLLGTSSNSVSSQSFEVDDL CNVTISDL YEGMMHMSRLLRSKPCII STKTYINQSWKLR
RPSRKQGLHKNRTHCPRSKPSQRSARKGPASCSEPGKEAGILRDYGNLLHVAPHKTGLELKSVSLEGSKR
QVHKSSPAWKELQMPQKDLDLNRERENVMTLQWLISPVKVVPRPRMLPSQVEKWYREIKIKFDKLHQE
YCLSSGKQPRLTDPTESWAVDVYRSGSKSPGSRQDVETCRPSSPFGREKTERPGEALEDLRGNGKSVKTK
SCLLRSCSPGSPSRSPSHSQLSSGLQEHNSEPTGKAVWPSTAI SAPSIGSPGCGKDNYELKKEFNRL
YQKYCLSPQRAKVTSCGRVSPMKA AAAALPCQSEHLKRLNPDSPQSSQKRSISPGCHRRVLQDSTAQTAS
TLVRDSWLPTKRCKLSYPVACAHAQAKFHDTSGASGWP
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_198652

ORF Size: 2004 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_198652.1](#)

RefSeq Size: 8449 bp

RefSeq ORF: 2004 bp

Locus ID: 381280

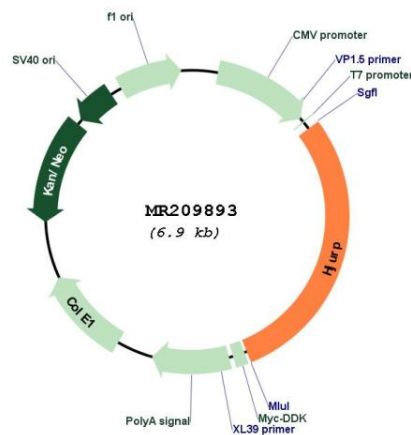
UniProt ID: [Q6PG16](#)

Cytogenetics: 1 D

MW: 74.2 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]

Product images:



Circular map for MR209893