

Product datasheet for **MC220904**

Suv420h1 (BC075709) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Suv420h1 (BC075709) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Suv420h1
Synonyms:	MGC18702, Suv4-20h1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC075709
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGAAGTGGTTGGGAGACTCCAAGAACATGGTGGTGAATGGCAGGAGAAATGGAGGCAAGTTGTCTAATG
 ACCATCAGCAGAATCAATCAAAATTACAGCAGCACTCGGGCAAGGACACCCTGAAGACCGGCAGAAACGC
 CGTTGAGAGGCGGTCCAACAGATGTCATGGTAACTCGGGATTTGAAGGGCAGAGCCGCTATGTGCCGTCC
 TCTGGAATGTCCGCCAAGGAGCTCTGTGAGAACGATGACTTAGCAACCAGTTTGGTTCTTGATCCCTACT
 TAGGTTTTTTCAGACACACAAAATGAACACTAGATTTTCGGCCTATAAAAAGGAAGGCAAGAAGAGCTAAAGGA
 AGTAATTGAACGCTTTAAGAAAGATGAACACTTAGAGAAAGCTTTCAAATGTTTGACTTCTGGGGAATGG
 GCACGGCATTATTTCTCAACAAAACAAAATGCAGGAGAAATTTCAAGGAACATGTCTTTATTTACT
 TGCGGATGTTTGAACACTGACAGTGGATTTGAAATACTGCCTTGTAAATAGATATTCTTCAGAACAAAATGG
 AGCCAAGATAGTTGCAACAAAAGAGTGGAAACGAAATGACAAAATAGAATTACTGGTGGGTGTATTGCC
 GAACCTTCAGAAAATTGAGGAGAACATGCTACTTAGACACGGAGAAAACGACTTCAGTGTCATGTATTCCA
 CAAGGAAAAAATTGTGCTCAACTCTGGCTCGGTCCTGCTGCATTTATAAATCATGATTGCAGACCTAACTG
 TAAGTTTGTGCTCAACTGGTTCGAGATACAGCATGTGTTAAGGCTCTGAGAGATATTGAACCTGGAGAAGAA
 ATTTCTTGTTACTATGGAGATGGCTTTTTTGGAGAAAAAATGAGTTCTGCGAATGTTATACTTGTGAAA
 GACGGGAACTGGTGCTTTTAAATCACGAGTAGGACTGCCTGCGCCTGCTCCTGTTATCAATAGCAAATA
 CGGACTTAGAGAAACAGATAAACGCTTAAATAGGCTTAAAAAGTTAGGTGACAGCAGCAAAAACCTCAGAC
 AGTCAGTCTGTCAGCTCTAACACAGATGCAGACACCCTCAGGAAAAAGACAATGCAACTCTAATCGAA
 AATCTTCAGTTGGTGTGAAAAAGAGCAGCAAGAGTCGAGCTCTGACGAGGCGCTCCATGCCGAGAGTCCC
 GGCTGCTTCCAACCTCTACCTCAGCCAAGCTAGTGACACCAACAATCCCGGGTACCAAAGAAACTGAGA
 AAGCCGGCAAAGCCTTTACTCTCCAAGATCAGACTGCGGAATCACTGCAAGCGGCTGGACCAAGAAGAGCG
 CATCCCGCAAGCTCGAGATGGGAGCTTAGTGCTTAAGGAGCCAAAGTTGTGCTATATAAAAAATTTGCC
 AATTAAGAAAGAAAGGGAGCCAGAGGGACCAGCCATGCTGCAGTGGGAGTGGGTGCTTGACTAGACAT
 GCTGCGAGAGAACACAGGCAGAGTCATGGGAGAGGTGCTCATTGCGAGGGCGACAGTTTGCCTGCACCT
 ACACAACCCGGCGCTCTTTGAGGACAAGGACAGGTCTGAAGGAGACCCTGACATCAAGCTTGAACCAAG
 TCCCTTGGATGGCTATAAAAATGGTATACTGGAACCTTGCCAGACAGTGGCCAGCAGCCAAACCCAGAG
 GTGCTGGAAGAACTGGCTCCTGAGACTGCACACAGGGAGGAAGCATCCCAGGAGTGTCCCAAGAACGACT
 CCTGCCTGTACGAAAGAAATTTGACAAAGTAAACCTGTGAAACACTTAGCAAAGACAGAGGACTGCAG
 TCCAGAGCACAGCTTCCCTGGGAAAGACGGGCTGCCAGATTTGCCAGGGTCTCATCCTGATCAAGGTGAG
 CCCAGTGGCACAGTCAAGGTGCCGTGAGCTACACGGACTCTGCTCCCTCACCGTTGGCTGCTCTGTTG
 TCACACCCGACAGCTTCAAAAAGACAGCTTCAAGACTGCACAAAGTAAAAAGAAGCGGCGGGTCAACAG
 GTACGATGCACAGCTGATCCTGGAGAACAGCTCTGGAATCCCAAGCTGACGCTTCGAGGCGGCACGAC
 AGCAGCAGCAAGACAAACGACATGAGAGTGACGGCGTGAACCTCCTCAAGATCAGCATCAAACCTCAGCA
 AGGACCACGACAGTGCAGCAACCTCTATGTTGCCAAGCTCAGTAACGGGGTCAAGCGGGGCGGGGCGAG
 CAGCTCCACCAAGCTCAAGATCCAGCTCAAGCGGGATGAGGAGAGCAGGGGGCCATGTGCAGAGGGCTG
 CACGAGAACGGGGTGTGCTGCAGCGACCCCTCTCCCTGCTCGAGTCCCAGATGGAGGTGGACACTACA
 GTCAATATGAGGAGGACAGCACAGATGAATCCTCATCTTCTCCGGCAAAGCGGCTGAGGCTAATTGTTG
 GTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: BC075709
 Insert Size: 2454 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:	<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:	BC075709 , AAH75709
RefSeq Size:	3901 bp
RefSeq ORF:	2453 bp
Locus ID:	225888
Cytogenetics:	19 A
Gene Summary:	Histone methyltransferase that specifically trimethylates 'Lys-20' of histone H4. H4 'Lys-20' trimethylation represents a specific tag for epigenetic transcriptional repression. Mainly functions in pericentric heterochromatin regions, thereby playing a central role in the establishment of constitutive heterochromatin in these regions. KMT5B is targeted to histone H3 via its interaction with RB1 family proteins (RB1, RBL1 and RBL2). Plays a role in myogenesis by regulating the expression of target genes, such as EID3.[UniProtKB/Swiss-Prot Function]