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Product datasheet for RN217728

Heatr5b (NM_001191064) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Heatr5b (NM_001191064) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Heatr5b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>RN217728 representing NM_001191064
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGTTAGCTCACAGTTTATTGCTAAATGAAGAAGCGTTGGCTCAGATCACGGAAGCAAAGAGACCAG
TGTTTATCTTCGAATGGTTAAGATTTCTTGACAAAGTCCTAGTTGCTGCTAACAAGACAGATGTAAAAGA
AAAACAGAAAAAGCTTGTTGAACAATTAACTGGACTAATAAGCAGCTCGCCTGGACCACCTACTCGAAAA
CTGTTAGCTAAAAACCTCGCAGCCCTCTATAGCATTGGGGATACTTACACAGTTTTCCAGACACTGGATA
AATGTAACGACATTATCAGAAGTAAGGATGACACTGCGGCCTACTTGCCAACAAAATTGGCAGCAGTGGC
TTGTGTTGGAGCATTCTACGAGAAGATGGGAAGGATGCTGGGCAGTGCATTTCCAGAGACAGTGAACAAT
CTGTTGAAATCTCTGAAAAGCGCAGAGTCTCAAGGGCGAAGTGAGATCTTAATGAGTCTGCGGAAAGTGT
TGACTGGATTGGGTGGTGCAGCAGCTTCCTCTCATCGAGACATTTACAAGAACGCTCGATCCCTCCTCAC
CGACAGGTCGATGGCTGTCCGATGTGCAGTGGCCAAGTGCCTTCTGGAACTACAGAATGAAGCTGTTTTC
ATGTGGACTGCTGAACTAGAAAATATAGCTACCCTCTGCTTCAAGGCTCTGGAAAACTCAAATTATGGGG
TGCGAGTCGCAGTGTCCAAACTCCTAGGGACAGTCATGGCTACAGCACTGATGCCAAAGCAGGCAACAGT
CATGCGTCAGAACGTGAAGCGAGCAACGTTTGATGAAGTCTTGGAACTCATGGCCACGGGATTTCTGCGT
GGAGGGTCAGGTTTCCTAAAGAGTGGTGGAGAAATGTTGAAAGTTGGAGGGTCTGTTAATCGGGAAGTGA
GAGTTGGAGTGACACAGGCCTATGTTGTCTTCGTGACGACTTTGGGTGGCCAGTGGCTGGAGCGTAGCTT
TGCCACGTTCTTGTCCCACGTACTGGATCTGGTTTCCCATCCTCGAGCAACACAAACACATGTGGACGCT
GTGTACTCAAGGCGATGTGTCTCCTTCATCCTGAGAGCCACTGTGGGCAGTTTGCTGGGTGAGAAAGCCC
AGATAGCAGCTGCCAAGGAAATCTGCCAGGCCATCGGGAAGCAGATGAAAGCCGTGGAAGCAGTAGTGAA
CGATACAAGCAGTGAGAACAAGTCTGGGGCCGCAGACATCGCCGCCAGCCAGCACGTCATGGTCTGTGCC
CTGCAGGAGCTCGGGAGCCTGGTGCAGAGCCTGAACGCCACCGCCTCCCCTCTTATTCAGGAAGCATCCA
TAGGGCTTTTGGAGATTGTGACCTCAGTGCTCCTTCACCCAAGCATGGCTGCTCGGCTGGCTGCTGCATG
GTGTCTGCGTTGTGTGGCGGTGGCCTTGCCTTTCCAGTTGACACCATTTCTGGATAGATGTGCAGAGCGG
CTCAACAACCTCAAGACGTCCCCAGAAGCTGTTAGTGGATACAGTTTTGCAATGGCTGCTTTGTTGGGAG
GCGTGCATCAGTGTCCGTTGGGCATTCCTCACGCCAAAGGAAAGATGGTGGTCAGCATTGCTGAAGATCT

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CTTACGAACTGCTGCTCAAAACAGCAGGCTGTCCCTGCAGCGCACTCAGGCTGGCTGGCTTCTTCTGGGA
GCACTCATGACTTTAGGACCATCGGTTGTCCGTTACCACCTACCCAAGATGCTGCTGCTGTGGCGGAATG
TGTTCCCTCGCTCCCTGAAGGAGCTGGAGGCTGAGAAGGCCCGAGGGGATTCTTTTACCTGGCAGGTAAC
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GAGGATGCGGTTAGGAAATTGATGACTCCTATTGAATGTGCCATGACCATGATGTCACACATTCCATCTG
TAATTAAGGCCCATGGAGCCCACCTGAAAGCTAGTGCTGCAATGGTCCGCTTAAGGCTCTATGATATCCT
GGCTTTATTACCTCCAAAAACCTATGAAGATCAAGAATCTCAGGTAAAGAGAGCATTTACCTACGTGTTA
GAGCTGCTCCAGCCAAACAGTGCGTCTGGAAGCGGGGCTCTGGAACACGACCCTTCCTCCATTTACCTAC
GCATACCTGCTGGTGAAGCCGTGCCGGGTCCTCTCCCCCTCGGGGTCTCCGTGATTGACGCATCCGTGGC
TCTTTTTGGGGTTGTGTTTCCACATGTTTCTTATAAACACAGGTTGCAAATGCTGGATCACTTTGCTGAA
TGTGTTAAGCAAGCCAAAGGTGTCCGCCAGCAGGCTGTGCAACTCAATATATTTACTGCTGTTCTTAGTG
CACTGAAGGGCTTAGCTGAAAACAAGAGTACTTTAGGACCTGAGGAAGTTCGTAAGTCTGCTCTGACACT
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CTCGAGATGTTGTATCCAGGACTGGTCATTCACTGGCCCTCGGTTGTTTACATCGTTATGTTGGTGGCAT
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GAAGTTCAGACTTGGTCTCTTCATTCACTTGCTCTGATAGTGGATTCTAGTGGCCCAATGTACCGTGGGT
ACGTGGAGCCCACGCTGTCCCTGGTTCTCACCCTGCTGCTGACAGTCCCACCTTCACACACGGAAGTGCA
CCAGTGTTTGGGCAGATGCTTGGGGGCGATCATAACTACTGTTGGACCTGAGCTGCAGGGAAATGCAGCG
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TGCAGGCAGCCGCCATCTCTTGCCTTCAACAGCTTCACATGTTTGCCCCACGACATGTCAATCTGTCCAG
CCTTGTCCCTAGCCTTTGTGTTCACCTATGCAGCTCCCATCTGTTGCTCCGTCGAGCGGCTGTGGCCTGT
CTCCGGCAACTTGCACAAAGAGAAGCAGCAGAAGTGTGTGAATATGCCATGAGCCTGGCGAAGAATGCAG
GGGACAAAGAGATCAGCGGTGGCAATGTCAGTCCTTTCGCACCTGGAGTTAGTTCTCGCAGTGACATCCA
TTGCCGGCACCAGGGTGTTAATATCACAGACACGGGGCTTGAGGGACTTCTTTTTGGAATGCTAGATCGA
GAGACCGACCGAAAACTGTGCTCTGATATTCACGACACGCTGGGGCACATGCTTTCTTCCCTGGCAGTCG
AGAAGCTCTCTCACTGGTTACCGCTCTGTAAAGACGTCTTAGCAGCTTCCAGTGATATGAGTGCGGCAAC
GCTCTTAAGCAGTGGGAAAGATGAAGAGTCTGAGAAGAAAGATGAGATGGATGACGACGCCATGTTCACC
ACACTAGGCGAGGAGGACAAGTCAAAGCCTTTCGTGGCTCCTCGATGGGCCACTCGGGTGTTTGCCGCAG
ACTGCCTATGCCGAATCATCAACCTGTGTGAGAACGCAGACCAGGCTCACTTCGATCTTGCCTTGGCACG
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AGAAATTTGCATCTGTGCCTGAGCCAGAATTTCCAGGTCATGTGATCCTGGAGCAGTATCAAGCTAATGT
GGGAGCTGCCCTAAGACCAGCTTTTTCACAAGATACGCCATCAGACATAATAGCAAAAGCTTGCCAGGTG
TGCAGCACGTGGATTGGAAGTGGTGTTGTCAGCGATCTCAATGACCTCCGTCGGGTGCATAATCTACTCG
TTTCCTCTCTGGACAAAGTTCAGGCTGGAAAGGGATCTCCTAGTCAACTGTACCGAGAGAGTGCCACCAC
CATGGAGAAGCTGGCTGTTCTTAAGGCGTGGGCAGAGGTATATGTGGTTGCTATGAATATTAAGAAAGAA
GCAGAGTCAAAACCGAAGAGAGCAATGAAAAATACTGATGATGATGATGATGACTTTGGCACCATAGACG
AACTACCTCCCGACAGTTTAATAACCCTAGTGCAGCCCGAGCTGCCAACTCTCAGCCGCCTGTGGCTGGC
CGCGTTGAAAGACTACGCACTTCTGACTTTACCAGCTGAGTTCTCTAGTCAGCTTCCCCCAGATGGAGGA
GCATTTTACACTCCCGAGACCATCGATACAGCGAGACTTCACTACCGGAACTCCTGGGCCCCAATTCTCC
ATGCAGTGGCACTTTGGTTAAACAGCACAGGATTTACATGTCAGGAGTCCACAGAAGCCACAGCTGTATC
TGGAGGACAGAAGCGCTCCCCGGCTGTCAGTTTAAACCAGGTTCCAGGAGCCATGGCTAGTGCTAAACCC
CTGCCAGAAGTTAACAAAGACAGAATGCACCTGATCCTAGGTGTGAGTATACAGTTTCTTTGTTCCCCTC
GACCAGAGGAGCCCATTGAACACGTTACAGCATGCCTGCAGGCCTTACACACCTTACTGGGCTCTCCTTA
TGCACGAATACACATTGCAGAAGATCAGCTGATTGGTGTTGAGTTGCTAAGTGTCCTGCACCGCCTGTTA
CTGACCTGGAACCCACCGTCCATCCAACTGCTGGTCACTGGAGTCGTGCAGCAGATTGTCAGGGCCGCGC
AGGACTATCTACAAGAAAAGAGAAGTGCTCTAAATGAAGAGGATATGGAAAAAGAGTCCTGTCCTGCACT
AGGAGAAGGGGGTGACACCGGCGGCCTCATTCCTGGAAAGTCCCTTGTGTTTGCAACCATGGAGCTGCTG
ATGTTCATTTTAGTACGGCATATGCCACACCTGAGTACCAAGATGTCGGACTCTCCAAGTCACGTGGCCA
CAAAGACTCACCTGTCCGAAGAAAGCGCTCGCTTGGTGGCAGCCACAGTGACCATTCTCTCAGACTTGCC
ATCACTCTGTTCACCAGCTGGATGTATGACAATCCTGCCTACAATTCTGTTCTTAATTGCAAGAATATTG

AAAGACACAGCAATAAAATCTGTGGACAACCATGTTTCTCCCCCAGTCAGTGCAGCTCTTCAGGGGATAA
AAAGTATTGTGACACTTTCTATGGCCAAAACAGAGGAAACTCAGAAACAGTGGACAGCTCTAATCCGGAG
CACTCTTGCCTGCATCCTGGAATATTCCCAACCAGATGACTGTATGCCCGCACCGGATGAAGTGAGCACA
CTTACAGCCATTGCGCTCTTCCTGTGGTCTGCCAGCAGTGAGATAATAGGAGTGCAGTCCCTACAGAACG
GCTGCATGAACAGATTTAAAAGTGCCCTGAACTCGTGTGACCCATGGGTTCAAGCCAAATGCTACCAGCT
TCTCCTCTCAGTCTTCCAGCATTCCAACCGTGCGCTCTCGACTCCCTACATCCACTCCTTAGCTCCACTA
GTGGTCGGGAAGCTGAAAGCTGTGGAGAGAGACAGACCAGCCAGTAGCACGGAACTTCTGGCTGTCCAAG
AAGGAATTAAAGTTCTTGAAACATTGGTTGCTCTTGGGGAAGAACAGAACAGAGTCCAGTTACTCGCTCT
TCTGGTGCCCACTTTGATCTCCTACCTGCTGGACGAAAACTCATTCGCCTCAGCAAGTTCCATCTCCAAA
GATCTTCATGAGTTTGCACTCCAGAACTTAATGCATATTGGACCTCTGTACCCACACGCTTTCAAGACGG
TAATGGGGGCTGCTCCTGAGCTGAAAGCGCGACTAGAAACCGCTGTCCGAGCCAGCCAGGCGAGCAAAGC
CAAAGCAGCCGCGAGGCAGCCTGCCCCTGCCACGCACTCCGCACCAACCATTAAGCTGAAAACAAGCTTT
TTCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001191064

Insert Size: 6096 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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_001191064.1, NP_001177993.1

RefSeq Size: 6735 bp

RefSeq ORF: 6096 bp

Locus ID: 362683

Cytogenetics: 6q11