

## Product datasheet for **MC225143**

### Heatr5a (NM\_177171) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Heatr5a (NM\_177171) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Heatr5a  
**Synonyms:** C230081H03Rik; D930036F22Rik; mKIAA1316  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225143 representing NM\_177171  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGAATTGGCTCACAGCTTGTGCTCAATGAAGAAGCATCCAATCAGCTAGGTGCCGTTTCTGAGAAGGCTG  
AGTTTATTTTTGAGTGGTTGAGATACTTGGAGAAGCTCTTGTAGCAACAACAGGGAGGACGTCAGGGA  
GAAGCAGAAGACTCTTGTGGGCAGCTCCTGTCTTGTGAACAGCTCCCCGGGACCCCCACGCGCAAG  
CTCCTTGTCTCAGGACCTGGCCATCCTTTATAGTGTGGAGACACAGTCTCTGTTTATGAGACGATCGATA  
AATGTAATGATCTTATTCGGAGCAAAGATGACTCTCCAAGTTACCTTCCACCAAATTGCTGCTGTGGT  
GTGCTTGGGTTTCTTGTACAAGAAATGGGTAGAATCCTGGCTAATGGCTTCACTGACACTGTGGTGAAT  
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TGACTGGGCTGGGTGCTGCCGCTGCACCGTGCACAGGGACGTTTACAAGGCTGCCCGTCTGCTTAAC  
AGACAGATCCATGGCTGTCCGATGTGCTGCTGCCAAGTGTCTTCTTGAAGTCCAGAATGAGGCCATCTTT  
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TGCCGATATCAGTTTCAAACCTGTTGGGTACAGTGTGGCTAAAGCTGTAAGTCTGTAAGCATCCAGGAGC  
AGGCTCAAAGCAGAGTGCCTGAGAGTGTCACTGGAGGAAGTTCTGGAAGTCTGGGAGCAGGGTTTCTG  
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TGCTCGGTTCAAGTACACTGTCCTTTGGGAATTCCTCATGGAAAGGGCAAGATTATCATGACAATAGC  
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 GGAAGTGTGCTTTCCAGCGTCCCCAGAGATCTAGAAACAGAAAAGAGCCGAGGAGACTCGTTTACCTG  
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 CTCCTTACTGAGGAAGTCATCCAGCGACTCCTGCCGCCGTTCCCTGTGCTGTGGATCTGCTGACTCAGC  
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 GTCTCTGTCCTTGACACACTCTTGGTAGTTATCCGACGGTTTGCAGATATTGCAGAGCCAGAGTTTCC  
 GGGTCAATGATTCTGGAACAGTATCAAGCCAATGTTGGAGCCGCTCTTAGACCAGCCTTCACTTACAGAG  
 ACACCACCTGACATCACCGCAAAGCATGTGAGTTTGCAGTGTGGATAGCAAGTGGGGTTGTTAGTG  
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 AGCTCTCAGCCAGCTGTACAATGAGAGTGCCTCCACCATGGAGATCTTAGCTGTGCTGAGAGCCTGGGCA  
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 AGGCGGTGCCAATCTCTCAAGGCTGTAACCTCAAACATCCATGTGCCAGGGCTCATCATCAGGAGCT  
 GCCGTGAAGTCCCCGAGGATGTCTACACTGACAGGTTCCATCTGATTCTAGGAATCAGCGTGGAGTTCC  
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 CGATGTTCCCTGGCCAGGTGGAGAATTGGCAGTGTGAGACTTGGGTATTGAATTGCTAAATGTACTA  
 CACCGAGTAATTTGACCAGAGAGTACCAGCCATTCAACTGGCTTCACTTGAAGTGGTCAGGCAGATTA  
 TCTGTGCCGCCAAGAACATGTGAAGGAAAAAAGACGTAGTGCAGAAGTTGATGATGGAGCCTCTGAGAA  
 GGAAACCTGCCAGAGTTTGGTGAAGGGAAGGACACAGGAGGACTCGTACCTGGGAAGTCTTTGGTCTTT  
 GCAACCTGGAACCTGTGTCTGCATCCTGTTAGACAGCTCCGAGAAGTGAACCTAAGCTGGCAGGTA  
 GCCCAGGAGGAAAGGCTTCAAAGCCGAAGACCTGTTGGAGGAGGGAAGTAGACTGGTGGCGGCTGCCCT

GGCCATCCTTGCTGAGCTTCCTGCAGTGTGCTCTCCTGAAGGCAGCATCTCAATTCTCCCTACAGTATTG  
TACCTTACCATCGGAGTCTCCGGGAAACGGCTGTGAAGTTACCTGGGGCCAGTTATCCTGCACAGTCA  
CGGCTTCCTGCAGACTCTGAAAGGAATCTTAACCTCCCCATGGCCCGGCAGAAAAGAGCCACGAAGC  
TTGGACCAGCCTCCTCAAAGTGCATTAGCAACTGTGCTTGACTGCTGGAGCCAGTTGACGGAGCACA  
GAACCTGATGAAGTCAGTCTGCTTACTGCCGTACAGTATTTATTTGTCTACCAGCCAGAAGTGACAA  
CCGTCCCCTGCCTTCAGAATCGCTGCATTGAAAAATTTAAGGCTGCCCTGGAGAGCAAGGACTCTGTGGT  
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ATTTATTCCCTTAGCATCTTCTATCGTGGAGAAGCTTCAGGACATAGCCAGGAGGAAACCCGAAGATGCTA  
CCGAGCTGCAGCTCTGTCAAGAAGGAATAAAGCTCTTAGAAGCTTTGGTCGCCATTGCGGAAGAAGAGCA  
CCGCGCTCAGCTGGTGGCCTGCCTTCTGCCATCCTCATCTCCTTCTTTGGATGAGAATGCTCTGGGA  
TCAGCAACTTCAGTAACGAGAAGTCTGCACGACTTTGCTTTGCACAGTCTCATGCAGATTGGCCTCGGT  
ACTCGTCTGTGTTAAAAGAGTCATGGCTTCTCCCCAGCCCTGAAAGCCCGGCTGGAGGCTGCTGTAAA  
AGGCAATCAGGAAAGTGTCCGAGTGGATCCGCCTTCTAAGCATGCCAAGAACCTGGCCAGGAACTCCAGC  
ATCCAGCTAAAGACCAATTCCTGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_177171
- Insert Size:** 6117 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\\_177171.4](#), [NP\\_796145.2](#)
- RefSeq Size:** 7761 bp
- RefSeq ORF:** 6117 bp
- Locus ID:** 320487
- UniProt ID:** [Q5PRF0](#)
- Cytogenetics:** 12 B3-C1