

Product datasheet for **SC306833**

HEATR7B2 (MROH2B) (NM_173489) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEATR7B2 (MROH2B) (NM_173489) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEATR7B2
Synonyms:	HEATR7B2; SPIF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC306833 representing NM_173489. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
ATGACACTTAGTACAGAGGAATCCATAGAGATGTTTGGGGATATTAACCTCACTCTTGGCATGCTGAAC
AAGGAAGATATTGTTAACAAGGAAGACATTTACAGTCATCTCACTTCTGTTATTCAGAATACTGACATC
TTGGATGATGCAATTGTCCAACGATTGATTTATTATGCTTCTAAGGATATGAGAGACAACAATATGCTC
AGAGAAATCAGAATGCTAGCTGGTGAGGTTTTGGTGTCTTGTCTGCACATGATTTCAACTCTGTGATG
TATGAAGTACAAAGTAACCTCAGGATCTTAGAGCTACCAGATGAATTCGTTGTGCTTGCCTGGCTGAA
TTGGCAACCGCTATGTGTCCCAGAGTATTCCTTTCATGATGATGACCCTGCTCACCATGCAAAACCATG
CTCAGGCTGGCCGAGGATGAAAGGATGAAGGGGACTTTCTGTATTGCCCTTGAGAAATTCAGCAAAGCC
ATTTACAAATATGTCAACCACTGGAGAGATTTTCCCTACCCAGACTGGATGCCAACCGACTGTCTGAC
AAGATCTTCATGCTGTTCTGGTATATAATGGAGAAGTGGGCCCTTTGGCCTCACCCATGCAGACTTTG
AGCATCGTTAAGGCCACGGGCCACGGTGAGCTTGCTGCTGCATCGGAAGACTTCCGTGGATACGCC
CTGGGCCAGGTGCCCTGGCTCCTGAACCAAGTATAAAGACAAAGAGATTGATTTCCATGCTCACTCAGAGC
CTAAACAAATACTGACTGCAGCAGTTCCTTATGACATTGGCCTTCCAAGGAGCTTGAGAAGATCCATC
TTTATCAATTTACTCCAGCAGATCTGCAGAGCTCCAGAGCCTCCAGTAAAGGAAAATGAAATGAAAGCT
TCAAGCTGTTTTCTCATTCTAGCCATTCCAATCCTGGAGAGCTGATGGAATTTTTGATGAACAAGTA
AGAAGTAATAATGAAGCCATTTCGAGTGGGAATCTTGACTTTGTTAAGATTGGCTGTCAATGCTGATGAG
CCCAGGTTGAGGGATCACATCATTTCAATAGAAAGAACAGTCAAAATCGTCATGGGTGATCTCAGTACA
AAAGTAAGAAATCTGTTCTTCTCCTCATCCAACCATGTGTGAAAAGTCTATATTGAAGCTCGGGAA
GGATGGCCATTGATTGATTATGTCTTCTCCAGTTTGCAACGTTGAACAGGAATCTGGAGAAACAGTG
AAAATAACTTTTCATGAGAATGAAAAGGAGGAATCTGTCCGAGAAACAAGCCTTGAGGTCTTAAAA
ACCCTGGACCCACTGGTCATTGGAATGCCTCAGGTGCTATGGCCAAGGATCCTGACTTTTGTGGTACCT
GCAGAATACAGAAGCTCTGGAGCCCCTGTTTAGTATCATCAGAATTCTGATTATGGCAGAGGAGAAG
AAGCAGCACAGTGCCAAGGAGTCGACAGCACTTGTCTCTACAGGAGCTGTGAAACTTCCTTCACCA



[View online »](#)

CAGCAGCTACTGCCAGACTTCTGGTAATATCTATGCCTGCCAGTTTAGGGGAGTTACGTGGGGCTGGT
GCAATAGGGCTTTTGAAGATACTGCCTGAGATAATTACCCAAAATTGGTAGACCTATGGAACACGT
TTACCTGAGCTTCTGCAGCCTCTGGAAGGAAAGAACATCAGTACCGTTCTATGGGAAACCATGCTGCTT
CAGTTGCTCAAAGAATCCTTATGGAAGATCAGTGATGTGGCCTGGACCATTACAGTCACTCAGGATTTT
AAACAGCAATGGGCAGTTACAGCAATACTCCACTGAGAAGAAATCCTTTGGAAGCCTTGGGAACC
ACCTTAGCATGCTGCAAGATTACAGCTTTGTAACTCACAGATTAAGGAGTTTCTGACTGCTCCCAAC
CAACTGGGGATCAAAGACAGGGAATAACATCTATTTAGGATACTGTGCCGAGAACCATTGGATATT
GTTTTAAAGTTCTTAAACATTCCAAAATCAGGAAAAGTTTTTCATGAATCGATGTAAGAGCCTTTTT
TCTGGGAAAAAGAGCCTGACCAAGACAGATGTCATGGTCATCTATGGAGCAGTGGCCTCCATGCTCCC
AAGAAGCAACTTCTCTCCAGACTTAATCAAGATATCATATCCCAAGTCTGTCTTTCATGGCCAGTG
TCTCAGGTTCTGGGCATGTCTGTGATGAACAAGGACATGGATCTGCAATGAGTTTACAGAAGCATC
ACTGAGATTGGCATTGCTGTCAAGATGCTGAGGATCAGGGGTTCCAGTTTCTACAAGGAGATGCTG
ATTGGTTACATGCTGGACTTCATTAGAGACGAGCCCTGGATTCTTAGCTAGCCCTATTCGGTGGAAA
GCCTTAATCGCCATTAGGTATCTCAGTAACTGAAACCTCAGCTCTCACTACAAGACCACCTTAACATT
CTTGAGGAGAATATTCGGAGGCTGCTGCCCTTCCACCTCTGGAATCTGAAAAGTGAAGGCCAGACA
GACAAGGACAAGGAGCATTCAATTTCTCTATGAACGATCCATGGACGCCCTAGGAAAACCTTCTGAAG
ACCATGATGTGGGATAATGTGAATGCAGAGGACTGTCAAGAAATGTTAATCTTCTCCAAATGTGGCTT
GTTTACAAAAAGAGTGGGAAAGAGAAAGAGCCTTCCAGATCACTGCGAAAGTGTGACAAATGATATT
GAGGCACCAGAGAACTTTAAATTTGTTCACTGCTTGGACTTCTGGCTCCTCACTCCTGTGATACCTG
CCCACCATCCGTGAGGCGCTGCTAGCTCAACTATTGGTCTGTTCTATATAAAGGCATTCACTTGGA
GTGGAAGACTGCAGGGTTTGCAGGAAGGGCTGGAAGTATGACGTGCAGGTTCCAGATCAAGATTTCT
TCTAAAATAGCTAAGATTGTGTAAGTTTATCCCAATGAAGAAATCTGATGTTCTAGAGGAAATG
CTGGACGGTCTGGAGAGCCTCAACCCCACTTGTACAAAGCCTGTGGCATATGGATGACTGCTGCTG
AAGCAGCAGGGAGCTGCTCTGGAAGATCAGCTATTGGAGATCTTAGGCACAATCTACCATCACATGCCA
GTCCTCAGACAAAAAGAAGAAATTTTCACTTCTAGAGCCATCTCCAGATAGCCAGCTTTCAC
ATGGATACAGTTGTTGTCAACCTTTTACAGAAGCCTCTGCCTTTTACAGGGACACAAAGACATTGTG
AAGGCGTGGCTGAAAAGCCAGCCTCCAGTGGGAACTCTTGAAGCCTTAATAGACAACTGGAGACT
GAGTTAGAAGATGACATCGCCAGGTTGAGGCAATTTCACTGGCCTGTGCTATGTATGAAGTATCTCA
ATGGGCACCTCTGTACCGGCTGTATCCAGAGCTGTTCACTCTCCTCTGAAGCTGGTTAGCTGCACA
CTGGGCCAGAAGATGCTCACTTGTCCCTGGAGCCATAGGCGGCATGTGATGCAGCAGGAGAACAGCAG
CAGATCCAGACCCCTGCAGGCTTCACTGCTACTTTAAATGTTTGAAGCCCAAGCCATGAGAGAA
GGCCTTGCAAAGGAATCTGATGAGGGGACAACCTATGGACTCTACTCAGCAGTCTAGTACCCACCAC
ATAGGCGTATGTTCACTGGCCAGGAGCATGGCAGTGTGGCAACACGGAGTCATACTGGACATCATGGA
CAGCTGCTCTCATCTCTTACCTCCTCTCGGAGAACTACCGGATAACCGGCGCAGCTTTCTTCTGAG
CTCATGAAGGAACCAATCCTTTGGAAGCATGGGAATCTGCGAAATGTGCTGATCTTGATGGATCAAAGT
GCCTGGGACTCCAACGCCACTCTGAGGCAGATGGCCATCCGAGGGCTCGGCAACACAGCATCCGGGGCT
CCTCACAAGGTGAAGAACATAAGCAGTTAATGCTAGAATCTATCATCAGAGGCTGTATCACCTAGCT
CGCACTGAAGTCGTCTGTGAAAGCTTGAAGGCTCTAAAAAATCCTGGAGCTGCTGACAGACCGAGAC
GTGAGCTTCTACTTCAAGGAAATAGTGTGCAACAAGGACCTTCTTTGAAGATGAGCAGGATGATGTG
AGATTGACTGCCATCTTCTTATTTGAGGACCTGGCACCCTAACAGGAAGAAGTGGAAGATTTTTTTT
GCTGAAGAAATAAAAAAGAGCCTGATTTCTTCTGACCTTTGGGATCCCAACCCCAAGATTGGA
GTTGCTTGCCGTGATGTCTGATGGTCTGCATTCCCTTTTGGGCTCCAGGAGCTCTATGGGTATTA
GACCGTCTCCTTGATCAGGATCTACCAAGGGCCAGGGATTTCTACAGGCAATTCTGTGTAACTGGCC
AAGAAAAACCAGGAAATCTGTGGATCTCCACACACTCCTTACCTTCTTACCAGCACCTGGGAG
GTGATCAGGAGTGCAGCTGTCAAACTCACAGATGCCGTTGTTCTCAATTTGACCAGCCAATATGTGGAG
TTACTAGACAGAGAACAAGTACCACACGACTCCAAGCACTTCGTAAGATCCGTGTATTAGTGCCAG
AGAGCAGCTGAGGCTGCTTTGCAAAACCTCCTGAGAAGGTGTAAGAGACAAGCATTCTCTGTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_173489

Insert Size:	4758 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:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_173489.4</u>
RefSeq Size:	5307 bp
RefSeq ORF:	4758 bp
Locus ID:	133558
UniProt ID:	<u>Q7Z745</u>
Cytogenetics:	5p13.1
MW:	180.8 kDa
Gene Summary:	May play a role in the process of sperm capacitation.[UniProtKB/Swiss-Prot Function]