

Product datasheet for **SC304652**

HEATR5B (NM_019024) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEATR5B (NM_019024) Human 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:	>SC304652 representing NM_019024. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGGAGTTAGCCACAGTTTATTGCTAAATGAAGAAGCTTTGGCTCAAATCACCGAAGCAAAAAGACCA
GTTTTCATCTTTGAATGGTTGCGATTTCTTGATAAAGTCTTGGTTGCTGCCAACAAGACCGATGTAAG
GAAAAACAGAAAAAATCTGTTGAACAATTAAGTGGATTAATAAGTAGTTACCTGGACCACTACACGA
AAATTATTAGCTAAAAATCTCGCAGCCCTTTATAGCATTGGGGATACTTTCACAGTTTTTCAGACACTT
GATAAATGCAATGACATTATCAGAAATAAAGATGACACTGCGGCCTACTTACCAACAAAATTGGCTGCG
GTGGCTTGTGTCGAGCATTTTATGAAAAATGGGGAGAATGTTGGGCAGCGCATTTCCAGAAACGGTA
AATAATCTATTGAAATCTCTGAAAAGTGCAGAGTCTCAAGGGCGAAGTGAATCTTAATGAGTCTACAG
AAAGTTCTAAGTGGACTGGGTGGTGCAGCAGCTTCTCCCATCGTGATATTTACAAGAATGCCAGGTCT
CTCTTGACTGATAGGTCAATGGCTGTTTCGATGTGCAGTGGCCAAGTGTCTACTAGAACTACAGAATGAA
GCTGTATTTATGTGGACTGCTGAACTAGAAAATATAGCCACTCTCTGCTTTAAGGCTTTGGAAAACCA
AATTATGGGGTACGAGTGGCAGTGTCTAACTTTTAGGAACAGTCATGGCCACAGCATTAAATGCCAAAA
CAGGCAACAGTAATGCGTCAGATGTGAAGCGAGCAACATTTGATGAAGTCTTAGAACTCATGGCCACA
GGATTTCTGCGTGGAGGGTCAGGTTTCTTAAAGAGCGGTGGAGAAATGTTAAAAGTTGGAGGGTCCGTT
AATCGTGAAGTGAGATTGGAGTTACGCAGGCGTATGTTGTTTTGTGACAACATTGGGTGGTCAGTGG
TTGGAGCGCAGCTTTGCCACGTTCTGTCCCATGTACTTGATCTGGTTTCCCATCTCGGGCAACACAA
ACACATGTGGAGGCTGTGTACTCCAGACGATGTGTTTCTTTATCCTAAGAGCTACTGTGGGCAGTTTG
CTAGGTGAAAAAGCCAGATTGCAGCTGCCAAAGAAATCTGCCAAGCTATTGGAAAACAATGAAAGCC
GTAGAAGCAGTAGTGAATGACACAAGTGGAGAAAACAATCTGGCGCAGCAGACATTGCAGCAAGCCAG
CATGTGATGGTCTGTGCCCTCCAGGAATCGGGAGCCTGGTGCAGAGCTTGAATGCCACCGCATCCCT
CTTATTCAGAAGCATCTATAGGCTTTTGGAGATTGTGACTTCAGTGTCTTCATCCAAGCATGGCT
GCCCGACTTGCTGCTGCATGGTGTGCGCTGTGGCTGTGGCATTACCTTTCCAGCTGACACCATTT
CTAGACAGGTGTGCAACCGCTCAACAACCTGAAGACCTCACCAGAAGTGTCAAGTGGATATGTTTT
GCAATGGCTGCTTTGTTAGGTGGAGTACATCAGTGTCTTTGGGCATTCTCATGCCAAAGGAAAGATG
GTAGTTAGTATTGCTGAAGATCTTTTACGAACGCTGCCCAAAATAGCAGGCTATCTTTACAGCGCACC



[View online »](#)

CAAGCTGGCTGGCTTTTACTTGGAGCACTTATGACTTTAGGACCATCTGTCGTTCTGTTACCATCTGCCC
 AAGATGTTGTTATTGTGGCGAAATGTTTTCCACGTTCCCTAAAGGAATTGGAAGCTGAGAAGGCCCGA
 GGCGATTCTTTTACCTGGCAGGTAACCTTGAAGGTCTGCTGGAGCTCTATGTGCCATGAGGAGCTTC
 GTTGACATTGTCCTGAGCTACTAACTGAAGATGTGATTGCAAAATTGATGACCCTATTGAATGTGCC
 ATGACTATGATGTCACACATTCCATCTGTAATGAAAGCCCATGGAGCTCATCTGAAAGCTAGTGCTGCA
 ATGGTCCGTTTAAAGACTTTATGATATCTTGGCTTTGTTACCTCCAAAACTTATGAAGGATCTTTAAT
 GCACCTTTAGAGAAGCTGGTAGCGGAATTCACCTTGACTGACAACCTCAGCCAACACAACCTACTTCCCTC
 CTCAGATCCCTCTGCCATTATGATGATAGTGTTCTTCTTGGTTCTTGGCTTCAGGAACTGATCATAAA
 TCAATTGAAGACCAGCTCCAGCCAAACAGTGCCTCTGGAAGTGGGGCTCTGGAGCATGATCCTCTCTCT
 ATTTATTTACGCATACCTGCTGGAGAAGCAGTACCTGGTCCCCTCCCTCTCGAGTCTCAGTCATTGAT
 GCTTCTGTGGCCCTTTTGGTGTAGTGTTCTCATGTTTCTTATAAACACCGATTACAAATGTTGGAT
 CACTTTGCTGAATGTGTTAAACAAGCTAAAGGTGTCCGCCAGCAGGCTGTGCAGCTTAACATATTTACT
 GCTGTTCTTAGTCACTAAAGGGCTTAGCTGAAAAACAAAGTACTTTAGGACCTGAGGAAGTTCGTA
 TCTGCCCTGACACTGGTTATGGGTCTCTGGACAACCCAAACCCATCTACGTTGTGCAGCGGGGAA
 GCTCTTGAAGAATGGCTCAGGTGGTGGAGAAGCAACTTTTATTGCTAGAATGGCCCAATATAGCTTT
 GACAAGTTGAAATCGGCTCGAGATGTTGTATCTAGGACTGGTCATTTCATTGGCTCTTGGTTGTTGCAT
 CGTTATGTTGGTGAATAGGCTCAGGACAACATCTGAAGACCAGTGTGAGCATTTTATTGGCTCTAGCA
 CAAGATGGGACATCCCCTGAAGTCCAGACTTGGTCTCTTCATTCACTTGCTTTGATAGTGGATTCTAGT
 GGTCCGATGTATCGTGGCTATGTGGAACCAACATTATCTCTAGTCTTACCTTGCTGTGACAGTCCG
 CCTTCACATACAGAAGTTCATCAGTGTTGGGTCTGATGCTTGGGTGCTATAATACTACTGTTGGCCCT
 GAACTACAAGGAATGGAGCAACAACCTTCTACAATTCGTTCTCTTGGTTGGTGGGTTGTGCAATAACA
 CAAGACCATTGAGTCTCTTGTTCAGGCAGCTGCCATATCTTGCCTTCAGCAGCTTCACATGTTTGCA
 CCACGACATGTCAATCTATCTAGCCTTGTCTAGCCTTTGTGTTCACTTATGTAGTTCACATTTGTTA
 CTTTCGACGACGCTGTGGCATGTCTTCGGCAACTTGCACAAAGAGAAGCAGCGGAATGTGAATAT
 GCCATGAGCCTGGCAAAAAATACAGGGGACAAAGAGAGCAGTAGTGCCAATGTGAGTCTTTTGGCCCT
 GGGGTTAGTTCTCGAACTGATATCCATTGCCGGCACCAAGGTGTTAATATAACAGAACTGGTCTTGAG
 GGACTTCTTTTGAATGCTAGACCGGGAGACAGATCGAAATATGTTCTGATATTCTGACACTTTG
 GGACATATGCTTTCTTCGCTGGCAGTAGAAAACTTTCTCATTGGCTAATGCTTTGTAAAGATGCTCTG
 GCAGCTTCTAGTGATATGAGTACTGCAACTCTCTTAAGTAGTGGAAAAGATGAAGAAGCTGAAAAGAAA
 GATGAGATGGATGATGATACCATGTTTACCACGTTAGGTGAAGAAGATAAATCAAAGCCCTTTGTGGCC
 CCTCGCTGGGCCACTCGAGTATTTGCTGCCGATTGCCTGTGCGAATCATCAATTTGTGTGAGAATGCA
 GACCAGGCTCACTTTGATCTTGCCCTGGCACGTTCTGCTAAACTTCGAAACCCTACAAATGACCTCTTG
 GTACTTCATCTCTGACCTCATTGCGATGGCATTCTATGGCTGCAACTGATCATAGCAACCAGCTGCGA
 ATGGCTGGGCTCCAGGCGCTTGAAGACATTATCAAGAAGTTTGCCTCTGTGCCTGAGCCAGAATTTCCA
 GGTGATGTGATACTGGAGCAGTATCAGGCTAATGTGGGAGCTGCTCTAAGACCAGCCTTTTCAAGAT
 ACACCATCAGATATAATAGCGAAAGCTTGCCAGGTATGTAGTACATGGATAGGAAGTGGAGTTGTCAGT
 GATCTCAATGATCTCCGTGAGTACACAATCTTCTTGTCTTCTCTGGACAAAGTTCAGGCTGGAAAA
 GGATCTTCCAGCCAGCTGTACCGAGAGAGTGCCACGACCATGGAAAACTGGCTGTTCTCAAAGCTTGG
 GCAGAGGTATATGTGGTCGCTATGAATATTTAAAGGAAGCAGAGTCAAAACAAAAAGCAATTTAA
 AATACTGACGATGATGATGACGACTGTGGTACCATCGATGAACTGCCACCAGATAGTTTAAACACTG
 GTACAACCTGAACCTACCAACTCAGTCGCTGTGGTTAGCAGCATTAAAGATTATGACTCTTGACT
 TTACCAGCCGAATTTCTAGTCAGCTTCTCCAGATGGTGGAGCATTTTATACCCTGAACTATTGAT
 ACAGCTAGACTTCACTATCGGAATTCCTGGGCCCAATTCCTCATGCGGTGGCACTTTGGTTAAATAGC
 ACAGGATTTACGTGCTCAGAGTCTACAGAAGCAGCAGCAATATCTGGTTTAAAAACGTTCTACATCT
 GTCAATTTAAACCAGGCATCAGGAGCAGTGGGTAGTGCTAAATCTTGGCAGAAATTAACAAAGACAGA
 ATGCATCTGATTTAGGTGTGAGTATACAGTTTCTTGTCCCCTAGACCTGAGGAGCCCATTTGAACAT
 GTTACAGCATGCCTGCAGGCCTTACATACCTTGCTAGACTCCCCTTATGCTCGAGTCCATATTGCAGAA
 GATCAGCTGATAGGTGTTGAGTTGCTGAGTGTTTTGCACCGCCTTCTATTGACCTGGAATCCATCATCT
 GTCCAGCTGTTGGTTACTGGAGTTGTAAACAGATAGTAAGAGCTGCTCAGGATTATTTGAAGAGAAA
 AGAAACACTCTAAATGAAGATGATATGGAAAAAGAGGCCTGTACCGTATTGGGAGAAGGAGGTGACAGC
 GGTGGTCTCATTCTGGAAAACTCTTGTGTTTGAACATATGGAGCTGCTGATGTTTATTAGTACGG
 CATATGCCACATCTCAGTACCAAGGTGTGAGACTCTCCAAGTCACATAGCCACTAAACCTCGACTATCA

GAAGAAAGTGCTCGTTTGGTGGCAGCCACAGTTACCATACTCTCTGATTTACCATCCCTTTGTTACCC
 GCTGGATGTATGACAATCCTGCCACAATTCTGTTCTTAATTGCAAGAATATTGAAAGACACAGCAATA
 AAGTCTGCAGATAATCAGGTTCTCCACCAGTCAGTGCAGCTCTTCAAGGGATTAAGTATTGTGACA
 CTTTCAATGGCCAAACTGAGGCTGGCGTTCAAAACAGTGGACAGCTCTGATTCGTAGCACGCTTGCT
 TGCATCCTGGAATATTCTCAACCAGAAGACTCTGTACCTACACCTGATGAAGTAAGCATGCTAACAGCA
 ATTGCACTCTTCTGTGGTCTGCTAGTAATGAAATAATAGGAGTCCAGTCATTACAGAATGGCTGCATG
 AACAGATTTAAAAATGCATTAAATTCATGCGACCATGGGTTCAAGCCAAATGTTACCAGCTTCTCCTC
 TCAGTCTTCCAGCATTCCAATCGTGCCCTTTCAACTCCTTATTCATTATTAGCTCCAATAGTGGTT
 GAAAAGCTAAAAGCTGTTGAAAGAAACAGACCAGCCAGTAACATAGAGCTTTTAGCGGTTCAAGAAGGA
 ATAAAAGTTCTTGAAACACTGGTTGCTCTTGGTGAAGAACAAACAGAGTCCAGTACTTGCTCTTTTA
 GTTCCCACTTTGATATCTTACCTGCTGGATGAAAATCTTTTGCCTCAGCAAGTTCAGCTTCCAAAGAT
 CTTTCATGAGTTTGCCTCCAGATTTAATGCATATTGGACCTCTGTATCCACATGCTTTCAAGACAGTA
 ATGGGGGCTGCTCCTGAGTTGAAAGTGGCTCTAGAACTGCCGTTGAGCAAGCCAAGCGAGCAAAGCT
 AAAGCGGCTGCCAGACAACAGCCCCGCCATACATTCTGCACCAACAATTAAGCTAAAAACAAGTTT
 TTTTAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_019024
Insert Size:	6216 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_019024.2</u>
RefSeq Size:	6820 bp
RefSeq ORF:	6216 bp
Locus ID:	54497
UniProt ID:	<u>Q9P2D3</u>
Cytogenetics:	2p22.2

MW: 224.3 kDa

Gene Summary: Component of clathrin-coated vesicles (PubMed:15758025). Component of the afitphilin/p200/gamma-synergic complex, which plays roles in AP1G1/AP-1-mediated protein trafficking including the trafficking of transferrin from early to recycling endosomes, and the membrane trafficking of furin and the lysosomal enzyme cathepsin D between the trans-Golgi network (TGN) and endosomes (PubMed:15758025).[UniProtKB/Swiss-Prot Function]