

Product datasheet for **SC321486**

HEATR3 (NM_182922) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HEATR3 (NM_182922) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEATR3
Synonyms:	SYO1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_182922.2
 ATGTGTGCTGCAGCCGTGAGCCGGCCAGCTGAGCAGCAGCAACGGACCTTGTTAACGGC
 GCGGCAGCCTCCACCGCTGCTGTTGCCCTCCTCTCTCGTGGTCTGTCCGCCACGCGCA
 CGTCACCATGGCAAGAGCCGGACGAAGCGCTTCAAGCGACCTCAGTTCTCCCTACGGG
 CGACTGTCAGGCCGAGCGGCTGCGGCGGCGAATGGGACCGGAGGCGAGGAGGACGCG
 GCCGGCGGCGAGCTGCTGAAAAAGCTCCAGCACCCGAGCGCCGAGGTCCGCGAGTGCGC
 CTGCGCAGGGCTGGCCCGCTGGTGCAGCAGCGCCGCACTCCCGGCGCTGGCGGACG
 AGACGCCGTGCGCGCCTCGGGCCGCTGCTGCTAGACCCAGCCTGGCCGTGAGGAGAC
 TGCAGCCGGCGCTGAGAAATCTCAGTGCTTGTGGAGGTTTTGAAGTTTGTGATGACAT
 GGTGACTAAGGATATCATGACCCCTCTGGTTGCGCTGCTAAAAGAGTGAGTGCTGGACT
 GGATTCAAATGAGATGTCTGTCAGGAGAAAAAGATCAGAACAGAAATCTATTGAGAA
 CATAGCCAATGAGACTGTGAACGTGCTGTGAATATATGTGAATGCAGTAGTAGCAGT
 GTCTATATTCAACAAAGAAGGGTGTGGAGATTGTGTTAAAGTATTTAAGTAGGTTCCC
 TACCAATGTTGACCTGGCTATTTAGTAGCATATTGTTTGCAGACAGTGACTGAGGATAA
 CCCAGAGCTGCTGAAGTCTTTAGTGCTACAGCATTGAACATGCTGGAATCAGCACTGCT
 TTCTCCTGTGAGTTCATGGAATCTTCTATTGAAGACATTGGTAGCAGGCACAATTTG
 GAATCTAAAGGACATTATTCCATGCAAGAGTCAAGCAGAAATCATAAATGCCTTACTAAA
 GATCTTATCTGAAGTTTGGGAATGGATGCTGGTGAATGGTTATTCAAATGAAAGAGGC
 TGAAACGCAAAGGTTAAAACTGCTGCAGAGGCTGAGGAAATATTAGAGAACTAATGG
 GGATGATTTGATTGAAGATGATGAAATGGAAGGAATTTCTATAAAGAAGAGTCAGAAG
 GAAAACTTTGTTTTCAGATTTACTTCCGCCACTGACAAGGAAGTGAAGAGACTATAGC
 ATTGCTGACAGCCCAACAGACTGCTCTGGAATATTGTCAACATGTGCTGCAATGAAGA
 TCCCTCTGATGACGAATGGGAAGAGCTTTCTAGCAGTGATGAAAGTGACGCAATTTATGGA
 GAATTCCTTCAGTGAGTGCAGGGGACAGCTGTTTTCTCCCTCTGCCTCTCCCATGAAGT
 TCACACGGCTCTACCAACTACCTCATCCAAAGAAGATTTTGAAGAACTGCCTTTCC
 AAACAGCATTGCAGTTGACCTATGTTCTAGGAACCTACTTGAAGCCTTTGATTAGAAA
 AATGAACACTATTCAGTGACAGCCCTCTTCTGTCTCCAGAGTCTTGTGTCCTCCTGGA
 TGTGGAGACCTGGGAGGAGCCGAGCCCTTACAGCGCTGCACAGCATCTGTACAGCT
 GCTTTTTTCTCAACCAGATTTTGTAAACATGTTGACTTTCTAGAAGCCATAAGTAGTGC
 TTTGAGGGCCCTTTTGAACAATGGCCTCCAAGAACATTTCCAGTGATGACTCCTGA
 TCAGCTGATGACATTATGCAAAGCAGGCATTATAGTAGTAATGTCGGGGTTAGAGTGAA
 TGTGCTTAGCATTATAGGAATCACTGGCAGCGCTTGCACAAAGAAGATGGTACACTTGA
 AACTCTTAAGAACATTGGGTGCTTTCTGCTTGAAGTTACACCAAAGATCCTTCCCTTGT
 GGTAGCAGGAGAAGCTTTGGATGCCCTCTTTGATGTTTTTGCAGATGGTAAAGAAGCCGA
 AAGAGCCTCGATTCAAATTAATATTATCTGCTTTGAAAGAATTCCAGCCGGTCTTTAA
 AATGAAGATACGTAAAGAAGGGAGAGGTAATATAGCACAGATCAGCTGTGTGTTCTTGA
 CAATGTGAAAAATGAATTTGCGAAGATTTATTGCTTATCAAGAACTGTTGAGAAAAAGCT
 GACTTCTTAAACAATCAAAAAAGAAACCAGTTCTTCCCCAAAGTATTCAATGCTTAGA
 ATACTAAAAGTTTTCTTTGAATGTATATGTTTCTGAAAGTCATTTTTTAATGATTACAT
 TCTGTACATTCTGTAACAACTTCAAAACCTGGCCAGGCATGGTGGCTCACGCCTGTGATC
 CCAGCACCTTGGGAGACCGAGGCGGCTGGATCACTTGAAGTCAGGAGTTTGGGGCCAGCC
 TGGCCAACATGGTGAAACCGCATGCATAAGCATGGTGGCAGATGCCTGTGATCCAGCTA
 CTCGGGAGGCTGAGGGAGGAGAATCGGTTGAGCCTGGGAGACAGAGGTTGCAGTGAGCTG
 AGATCACGCTACTGCACTCCAGCCTGGGTGACAGAGGGAGACCCTGTCTCAAAAAAAA
 AAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_182922

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_182922.2</u> , <u>NP_891552.1</u>
RefSeq Size:	2625 bp
RefSeq ORF:	2043 bp
Locus ID:	55027
UniProt ID:	<u>Q7Z4Q2</u>
Cytogenetics:	16q12.1
Gene Summary:	The protein encoded by this gene plays a role in ribosomal protein transport and in the assembly of the 5S ribonucleoprotein particle (5S RNP). The encoded protein also may be involved in NOD2-mediated NF-kappaB signaling. [provided by RefSeq, Jul 2016] Transcript Variant: This variant (1) encodes the longest isoform (a). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.