

Product datasheet for **SC314874**

HSPC302 (TBCK) (AK074305) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPC302 (TBCK) (AK074305) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSPC302
Synonyms:	HSPC302; IHPRF3; TBCKL
Vector:	<u>pCMV6 series</u>



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Fully Sequenced ORF: >NCBI ORF sequence for AK074305, the custom clone sequence may differ by one or more nucleotides

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ATGTTTCCCCTGAAGGACGCTGAAATGGGAGCCTTTACCTTCTTTGCCTCGGCTCTGCCA
CATGATGTTTGTGGAAGCAATGGACTTCCTCTCACACCAAATCCATCAAAATTTAGGG
CGCTTTCAAATCCTTAAACCATCACCCATCCCAGACTCTGCCAGTATGTGGATATTTCT
AGGGGAAAGCATGAACGACTAGTGGTCGTGGCTGAACATTGTGAACGTAGTCTGGAAGAC
TTGCTTCGAGAAAGGAAACCTGTGAGCTGTTCAACGGTTTTGTGTATAGCATTTGAGGTT
CTTCAGGGCTTGCAGTATATGAACAAACATGGTATAGTACACAGGGCATTGTCTCCTCAT
AATATCCTGTTGGACCGAAAGGGACATATTAAATTGGCTAAATTTGGACTTTATCACATG
ACAGCTCATGGTGATGATGTTGATTTCCCAATAGGGTATCCCTCGTACTTGGCCCTGAG
GTAATTGCACAGGGAATTTTCAAACCACTGATCACATGCCAAGTAAAAAACATTGCCT
TCTGGCCCCAAATCAGATGTATGGTCTCTTGAATCATTTTATTTGAGCTTTGTGTGGGA
AGAAAATTATTTAGAGCTTGGATATTTCTGAAAGACTAAATTTTGTCTACTTTGGAT
TGTGTAGATGACACTTTAATAGTTCTGGCTGAAGAGCATGGTTGTTTGGACATTATAAG
GAGCTTCTGAACTGTGATAGATCTTTGAATAAGTGCCTTACCTTCCATCCTTCTAAG
AGGCCAACCCAGATGAATTAATGAAGGACAAAGTATTAGTGAGGTATACCTTTATAT
ACCCCTTTTACCAAACCTGCCAGTCTGTTTTATCTTCTCTGAGATGTGCTGATTTAACT
CTGCCTGAGGATATCAGTCAGTTGTGTAAGATATAAATAATGATTACCTGGCAGAAAGA
TCTATTGAAGAAGTGATTACCTTTGGTGTGGCTGGAGGTGACTTGGAGAAAGAGCTT
GTCAACAAGGAAATCATTCGATCCAAACCACTATCTGCACACTCCCCAATTTTCTTTT
GAGGATGGTGAAAGCTTTGGACAAGGTCGAGATAGAAGCTCGCTTTTAGATGATACCACT
GTGACATTGTCTGTTATGCCAGCTAAGAAATAGATTGAAAGATGTTGGTGGAGAAGCATTT
TACCCATTACTTGAAGATGACCAGTCTAATTTACCTCATTCAAACAGCAATAATGAGTTG
TCTGCAGCTGCCACGCTCCCTTTAATCATCAGAGAGAAGGATACAGAGTACCAACTAAAT
AGAATTATTCTCTCGACAGGCTGCTAAAGCTTATCCATATAAAAAAACCAAACTCTGG
AAAGAAGCAAGAGTTGACATTCTCTCTTATGAGAGGTTTAACTGGGCTGCTCTTCTG
GGAGTTGAGGGAGCTATTCATGCCAAGTACGATGCAATTGATAAAGACTCCAATTCTCT
ACAGATAGACAAATTGAAGTGGATATTCCTCGCTGTCATCAGTACGATGAAGTGTATCA
TCACCAGAAGGTCATGCAAAATTTAGGCGTGTATTAAGCCTGGGTAGTGTCTCATCCT
GATCTTGTGATTGGCAAGGCTTGACTCACTTTGTGCTCCATTCTATATCTAACTTC
AATAATGAAGCCTTGGCTTATGCAATGTATGTCTGCTTTTATCCCAAATACCTGTATAAC
TTCTTCTTAAAGACAACCTCACATGTAATACAAGAGTATCTGACTGTCTTCTCTCAGATG
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CTCTATGCCATCCCTTGGTTTCTTACCATGTTTACTCATGTATTTCCACTACACAAAATT
TTCCACCTCTGGGATACCTTACTACTTGGGAATTCCTCTTTCCCATTCGTATTGGAGTA
GCAATTCCTCAGCAGCTGCGGGACCGGCTTTTGGCTAATGGCTTTAATGAGTGTATTCTT
CTCTTCTCCGATTTACCAGAAATTGACATTGAACGCTGTGTGAGAGAATCTATCAACCTG
TTTTGTTGGACTCTAAAGTGCTACTTACAGACAGCATGCTCAACCTCCAAAGCCATCT
TCTGACAGCAGTGGAGGAGAGGTTTCGGCACCTTATTTCTCTGCTGAGTGTCCAGATCCT
CCAAAGACAGATCTGTCAAGAGAATCCATCCATTAAATGACCTGAAGTCAGAAGTATCA
CCACGGATTTTCAGCAGAGGACCTGATTGACTTGTGTGAGCTCACAGTGACAGGCCACTTC
AAAACACCCAGCAAGAAACAAAGTCCAGTAAACCAAAGCTCCTGGTGGTTGACATCCGG
AATAGTGAAGACTTTATTCGTGGTCACATTTTCAGGAAGCATCAACATTCCATTAGTGCT
GCCTTCACTGCAGAAGGGGAGCTTACCCAGGGCCCTTACACTGCTATGCTCCAGAAGTTC
AAAGGGAAGGTCATTGTATCGTGGGCATGTGGCAAAACACACAGCTGAGTTTGCAGCT
CACCTTGTGAAGATGAAATATCCAAGAATCTGTATTCTAGATGGTGGCATTATAAAATA
AAGCCAACAGGCCTCTCACCATCCCATCTCTCAAATA

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Restriction Sites: Please inquire

ACCN: AK074305

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:	<ol style="list-style-type: none"> 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:	AK074305.1 , BAB85045.1
RefSeq Size:	3289 bp
RefSeq ORF:	2682 bp
Locus ID:	93627
Cytogenetics:	4q24
Domains:	TBC, pkinase, TyrKc, RHOD, S_TKc
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	This gene encodes a protein that contains a protein kinase domain, a Rhodanase-like domain and the Tre-2/Bub2/Cdc16 (TBC) domain. The encoded protein is thought to play a role in actin organization, cell growth and cell proliferation by regulating the mammalian target of the rapamycin (mTOR) signaling pathway. This protein may also be involved in the transcriptional regulation of the components of the mTOR complex. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]