

Product datasheet for **SC327664**

HSPC302 (TBCK) (NM_001163437) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSPC302 (TBCK) (NM_001163437) Human Untagged Clone
Tag:	Tag Free
Symbol:	TBCK
Synonyms:	HSPC302; IHPRF3; TBCKL
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001163437, the custom clone sequence may differ by one or more nucleotides

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ATGTTTCCCCTGAAGGACGCTGAAATGGGAGCCTTTACCTTCTTTGCCTCGGCTCTGCCA
CATGATGTTTGTGGAAGCAATGGACTTCCTCTCACACCAAATCCATCAAATTTTAGGG
CGCTTTCAAATCCTTAAAACCATACCCATCCCAGACTCTGCCAGTATGTGGATTTTCT
AGGGGAAAAGCATGAACGACTAGTGGTCGTGGCTGAACATTGTGAACGTAGTCTGGAAGAC
TTGCTTCGAGAAAAGGAAACCTGTGAGCTGTTCAACGGTTTTGTGTATAGCATTTGAGGTT
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AATATCCTGTTGGACCGAAAGGGACATATTAATTTGGCTAAATTTGGACTTTATCACATG
ACAGCTCATGGTATGATGTTGATTTCCCAATAGGGTATCCCTCGTACTTGGCCCCTGAG
GGAAGAAAATTATTTAGAGCTTGATATTTCTGAAAGACTAAAATTTTGGCTTACTTTG
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AAGGAGCTTCTGAAACTGTGATAGATCTTTGAATAAGTGCCTACCTCCATCCTTCT
AAGAGGCCAACCCAGATGAATTAATGAAGGACAAAGTATTCAGTGAGGTATCACCTTTA
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ACTCTGCCTGAGGATATCAGTCAGTTGTGTAAAGATATAAATAATGATTACCTGGCAGAA
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CCTACAGATAGACAAAATTGAAGTGGATATTCCTCGCTGTCATCAGTACGATGAACTGTTA
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CCTGATCTTGTGATTGGCAAGGCTTGACTCACTTTGTGCTCCATTCTATATCTAAAC
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AACTTCTTCTTAAAGACAACCTCATGTAATACAAGAGTATCTGACTGTCTTCTCTCAG
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GATCTCTATGCCATCCCTTGGTTTTCTTACCATGTTTACTCATGATTTCCACTACACAAA
ATTTCCACCTCTGGGATACCTTACTACTTGGGAATCCTCTTTCCCATCTGTATTGGA
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CTGTTTTGTTGGACTCCTAAAAGTGCTACTTACAGACAGCATGCTCAACCTCCAAAGCCA
TCTTCTGACAGCAGTGGAGGCAGAAGTTCGGCACCTTATTTCTCTGCTGAGTGTCCAGAT
CCTCCAAAGACAGATCTGTCAAGAGAATCCATCCCATTAATGACCTGAAGTCAGAAGTA
TCACCACGGATTTTCAGCAGAGGACCTGATTGACTTGTGTGAGCTCACAGTGACAGGCCAC
TTCAAAAACACCCAGCAAGAAAACAAAGTCCAGTAAACCAAGCTCCTGGTGGTTGACATC
CGGAATAGTGAAGACTTTATTCGTGGTCAATTTAGGAAGCATCAACATTCCATTGAGT
GCTGCCTTCACTGCAGAAGGGGAGCTTACCCAGGGCCCTTACACTGCTATGCTCCAGAAC
TTCAAAGGGAAGGTATTGTCATCGTGGGGCATGTGGCAAAACACACAGCTGAGTTTGCA
GCTCACCTTGTGAAGATGAAATATCCAAGAATCTGTATTCTAGATGGTGGCATTAAATAA
ATAAAGCCAACAGGCCTCCTCACCATCCCATCTCCTCAAATA

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Restriction Sites: Please inquire
ACCN: NM_001163437

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:	<u>NM_001163437.1</u> , <u>NP_001156909.1</u>
RefSeq Size:	3424 bp
RefSeq ORF:	2565 bp
Locus ID:	93627
UniProt ID:	<u>Q8TEA7</u>
Cytogenetics:	4q24
Protein Families:	Druggable Genome, Protein Kinase
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) uses an alternate in-frame splice site in the 5' coding region compared to variant 1. This results in a shorter protein (isoform b) compared to isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>