

## Product datasheet for **RC229029**

### **HSPC302 (TBCK) (NM\_001163437) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HSPC302 (TBCK) (NM_001163437) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HSPC302
Synonyms:	HSPC302; IHPRF3; TBCKL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RC229029 representing NM\_001163437  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTTTCCCTGAAGGACGCTGAAATGGGAGCCTTACCTTCTTTGCCTCGGCTCTGCCACATGATGTTT  
 GTGGAAGCAATGGACTTCTCTCACACCAAATTCATCAAAATTTAGGGCGCTTTCAAATCCTTAAAC  
 CATCACCCATCCCAGACTCTGCCAGTATGTGGATATTTCTAGGGGAAAGCATGAACGACTAGTGGTCGTG  
 GCTGAACATTGTGAACGTAGTCTGGAAGACTTGCTTCGAGAAAGGAAACCTGTGAGCTGTTCAACGGTTT  
 TGTGTATAGCATTGAGGTTCTTCAGGGCTTCAGTATATGAACAAACATGGTATAGTACACAGGGCATT  
 GTCTCCTCATAATATCCTGTTGGACCGAAAGGGACATATTAATTTGGCTAAATTTGGACTTTATCACATG  
 ACAGCTCATGGTATGATGTTGATTTCCAATAGGGTATCCCTCGTACTTGGCCCTGAGGGAAGAAAAT  
 TATTTAGAGCTTGGATATTTCTGAAAGACTAAAATTTTGTACTTTGGATTGTAGATGACACTTT  
 AATAGTTCTGGCTGAAGAGCATGGTTGTTGGACATTATAAAGGAGCTTCTGAAACTGTGATAGATCTT  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC229029 representing NM\_001163437  
 Red=Cloning site Green=Tags(s)

MFPLKDAEMGATFFASALPHDVCGSNGLPLTPNSIKILGRFQILKTITHPRLCQYVDISRKGHERLVVV  
 AEHCERSLEDLLRERKPVSCSTVLCIAFEVLQGLQYMNKHGIVHRALSPHNILLDRKGHIKAKFGLYHM  
 TAHGDDVDFFIGYPSYLAPEGRKLFQSLDISERLKFLTLDCVDDTLIVLAEHGLDIIKELPETVIDL  
 LNKCLTFHPSKRPTPDELMDKVFSEVSPLYTPFTKPASLFSSSLRCADLTLPEDISQLCKDINNDYLAE  
 RSIEEVYYLWCLAGGDLEKELVNKEIIRSKPPICTLPNFLFEDGEFSGQGRDRSSLLDDTTVTLSLQCLR  
 NRLKDVGGGEAFYPLEDDQSNLPHSNSNNELSAATLPLIIREKDTEYQLNRIILFDRLLKAYPYKKNQI  
 WKEARVDIPPLMRGLTWAALLGVEGAIHAKYDAIDKDTPIPTDRQIEVDIPRCHQYDELLSSPEGHAKFR  
 RVLKAWVVSHPDLYVWQGLDSLAPFLYLNFNNEALAYACMSAFIPKYLNNFFLKDNSHVIQEYLVVFSQ  
 MIAFHDPESNLHNEIGFIPDLYAIPWFLTMFTHVFLHKIFHLWDTLLGNSSFPFCIGVAILQQLRDR  
 LLANGFNECILLFSDLPEIDIERCVRESINLFCWTPKSATYRQHAQPPKPSDDSSGGRSSAPYFSAECPD  
 PPKTDLRESIPLNDLKSEVSPRISAEDLIDLCELLVTGHTKPSKTKSKPKLLVVDIRNSEDVIRGH  
 ISGSINIPFSAFTAEGELTQGPYTAMLQNFKGKVIIVGHVAKHTAEFAAHLVKMKYPRICILDGGINK  
 IKPTGLLTIPSPQI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

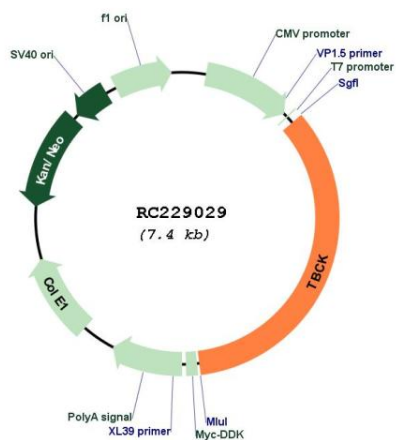
Sgfl-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_001163437
<b>ORF Size:</b>	2562 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001163437.2</a>
<b>RefSeq ORF:</b>	2565 bp
<b>Locus ID:</b>	93627
<b>UniProt ID:</b>	<a href="#">Q8TEA7</a>
<b>Cytogenetics:</b>	4q24
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	96.3 kDa
<b>Gene Summary:</b>	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]

Product images:



Circular map for RC229029