

## Product datasheet for **RG239411**

### **HSPC302 (TBCK) (NM\_001290768) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	HSPC302 (TBCK) (NM_001290768) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HSPC302
Synonyms:	HSPC302; IHPRF3; TBCKL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG239411 representing NM\_001290768.  
 Blue=ORF Red=Cloning site Green=Tag(s)

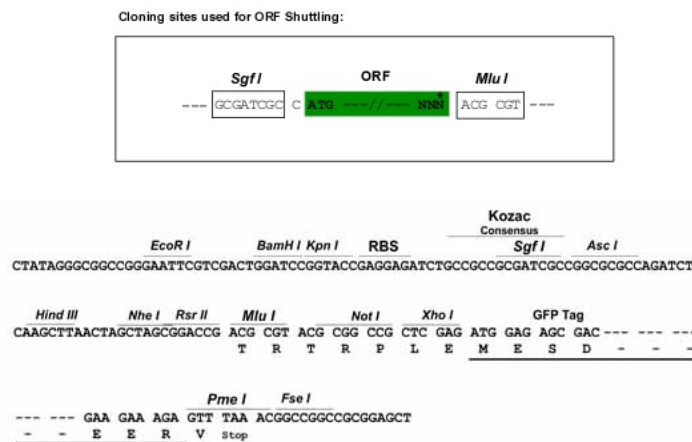
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CTCACCATCCCATCTCTCAAATA
ACGGTACGGCGCCGCTCGAG – GFP Tag – GTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG239411  
 Blue=ORF Red=Cloning site Green=Tag(s)

MPSKKPLPSGPKSDVWSLGIILFELCVGRKLFQSLDISERLKFLLLTDCVDDTLIVLAAEEHGCLDIIKE  
 LPETVIDLLNKCLTFHPSKRPTPDELMKDKVFEVSPLYTPFTKPAFLSSSLRCADLTLPEDISQLCK  
 DINNDYLAERSIEEVYLLWLAGGDLEKELVNKEIIRSKPPICTLPNFLFEDGESFGQGRDRSSLLDDT  
 TVTLSLQCLRNRRLKDVGGAEAFYPLLEDDQSNLPHSNNNELSAATLPLIIREKDTEYQLNRIILFDRL  
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 SHVIQEYLVTFSQMIAFHDPESNLHNEIGFIPDLYAIPWFLTMFTHVFPLHKIFHLWDTLLLGSSFP  
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 MGYGFYHFGTYPSTYENPFLHAINNGGYTNRIEKYEDGGVLHVFSYRYEAGRVIGDFKVMGTGFPEP  
 SVIFTDKIIRSNATVEHLHPMGDNDLGSFTRTFLRDGGYSSVVDSHMHFKSAIHPISILQNGGPMFA  
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**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001290768

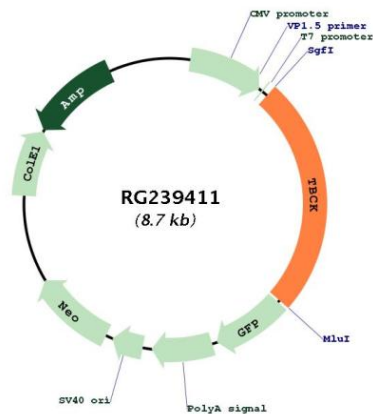
**ORF Size:** 2163 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** 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>RefSeq:</b>	<u><a href="#">NM_001290768.1</a></u> , <u><a href="#">NP_001277697.1</a></u>
<b>RefSeq Size:</b>	5410 bp
<b>RefSeq ORF:</b>	2166 bp
<b>Locus ID:</b>	93627
<b>Cytogenetics:</b>	4q24
<b>Protein Families:</b>	Druggable Genome, Protein Kinase
<b>MW:</b>	81.8 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 RG239411