

Product datasheet for **RC228610L4V**

HSPC302 (TBCK) (NM_001163435) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	HSPC302 (TBCK) (NM_001163435) Human Tagged ORF Clone Lentiviral Particle
Symbol:	HSPC302
Synonyms:	HSPC302; IHPRF3; TBCKL
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001163435
ORF Size:	2679 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC228610).
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.
RefSeq:	NM_001163435.1 , NP_001156907.1
RefSeq ORF:	2682 bp
Locus ID:	93627
UniProt ID:	Q8TEA7
Cytogenetics:	4q24
Protein Families:	Druggable Genome, Protein Kinase
MW:	100.5 kDa



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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]