

Product datasheet for RC229029L3

OriGene Technologies, Inc.

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HSPC302 (TBCK) (NM_001163437) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: HSPC302 (TBCK) (NM_001163437) Human Tagged Lenti ORF Clone

Tag: Myc-DDK Symbol: HSPC302

Synonyms: HSPC302; IHPRF3; TBCKL

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

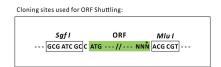
E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide The ORF insert of this clone is exactly the same as(RC229029).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001163437

ORF Size: 2562 bp





HSPC302 (TBCK) (NM_001163437) Human Tagged Lenti ORF Clone - RC229029L3

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.

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: 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>

 RefSeq ORF:
 2565 bp

 Locus ID:
 93627

 UniProt ID:
 Q8TEA7

 Cytogenetics:
 4q24

Protein Families: Druggable Genome, Protein Kinase

MW: 96.3 kDa

Gene Summary: This gene encodes a protein that contains a protein kinase domain, a Rhodanase-like domain

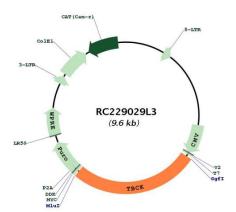
and the Tre-2/Bub2/Cdc16 (TBC) domain. The encoded protein is thought to play a role in actin organization, cell growth and cell proliferation by regulating the mammalian target of

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]



Product images:



Circular map for RC229029L3