

# Recombinant Full Length Human TBCK Protein, GST-tagged

**Cat. No.** TBCK-6147HF    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human MGC16169 full-length ORF ( NP_149106.2, 1 a.a. - 830 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | In Vitro Cell Free System                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>ProteinLength</b>    | 830 amino acids                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</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] |
| <b>Molecular Mass</b>   | 120.1 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>AA Sequence</b>      | MFPLKDAEMGAFTFFASALPHDVCGSNGLPLTPNSIKILGRFQILKTITHPRLCQYVDI<br>SRGKHERLVVVAEHCERSLEDLLRERKPVRYPSYLAPEVIAQGIFKTTDHMPSSKKPL<br>PSGPKSDVWSLGILFELCVGRKLFQSLDISERLKFLTLDCVDDTLIVLAEHHGCLDII<br>KELPETVIDLLNKCLTFHPSKRPTPDELMKDKVFSEVSPLYTYPFTKPASLFSSSLRCA<br>DLTLPEDISQLCKDINNDYLAERSIEEVYYLWCLAGGDLEKELVNKEIIRSKPPICTLPN<br>FLFEDGESFGQGRDRSSLLDDTTVTLSLCQLRNRLKDVGGGEAFYPLLEDDQSNLPH                                                                                                                                             |

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SNSNNELSAAATLPLIIREKDTHEYQLNRIILFDRLLKAYPYKKNQIWKEARVDIPPLMR  
GLTWAALLGVEGAIAHAKYDAIDKDTPIPTDRQIEVDIPRCHQYDELLSSPEGHAKFRR  
VLKAWVVSHPDLYVWQGLDSLCAFLYLNFNNEALAYACMSAFIPKYLYNFFLKDNS  
HVIQEYLTVFSQMIAFHDPELS NHLNEIGFIPDLYAIPWFLTMFTHVFPLHKIFHLWDTL  
LLGNSSFPFCIGVAILQQLRDRLLANGFNECILLFSDLPEIDIERCVRESINLFCWTPKS  
ATYRQHAQPPKPSSDSSGGRSSAPYFSAECPDPPKTDLSRESIPLNDLKSEVSPRIS  
AEDLIDLCELTVTGHFKTPSKKTKSSKPKLLVDIRNSED FIRGHISGSINIPFSA AFTA  
EGELTQGPYTAMLQNFKGKVIVIVGHVAKHTAEFAAHLVKMKYPRICILDGGINKIKPT  
GLLTIPSPQI

**Applications**

Enzyme-linked Immunoabsorbent Assay  
Western Blot (Recombinant protein)  
Antibody Production  
Protein Array

**Notes**

Best use within three months from the date of receipt of this protein.

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

**Storage Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

## GENE INFORMATION

**Gene Name**

TBCK TBC1 domain containing kinase [ Homo sapiens (human) ]

**Official Symbol**

TBCK

**Synonyms**

TBCK; TBC1 domain containing kinase; TBCKL; IHPRF3; HSPC302; TBC domain-containing protein kinase-like protein

**Gene ID**

93627

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|                |              |
|----------------|--------------|
| mRNA Refseq    | NM_001163435 |
| Protein Refseq | NP_001156907 |
| MIM            | 616899       |
| UniProt ID     | Q8TEA7       |

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