

Recombinant Full Length Human TBCK Protein, GST-tagged

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

SPECIFICATION

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

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SNSNNELSAAATLPLIIREKDTHEYQLNRIILFDRLLKAYPYKKNQIWKEARVDIPPLMR
GLTWAALLGVEGAIHAKYDAIDKDTPIPTDRQIEVDIPRCHQYDELLSSPEGHAKFRR
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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