

Recombinant Human TBCK Protein, GST-tagged

Cat. No. TBCK-4350H **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	Wheat Germ
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 PSGPKSDVWSLGIILFELCVGRKLFQSLDISERLKFLTLDCVDDTLIVLAAEEHGCLDII KELPETVIDLLNKCLTFHPSKRPTPDELMKDKVFSEVSPLYTPFTKPASLFSSSLRCA DLTLPEDISQLCKDINNDYLAERSIEEVYYLWCLAGGDLEKELVNKEIIRSKPPICTLPN FLFEDGESFGQGRDRSSLDDTTVTLSLCQLRNRLKDVGGGEAFYPLLEDDQSNLPH SNSNNELSAATLPLIREKDTEYQLNRIILFDRLKAYPYKKNQIWKEARVDIPPLMR

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GLTWAALLGVEGAIHAKYDAIDKDTPIPTDRQIEVDIPRCHQYDELLSSPEGHAKFRR
VLKAWVVSHPDLYVWQGLDSLAPFLYLNFNNEALAYACMSAFIPKYLYNFFLKDNS
HVIQEYLTVFSQMIAFHDPELS NHLNEIGFIPDLYAIPWFLTMFTHVFPLHKIFHLWDTL
LLGNSSFPFCIGVAILQQLRDRLLANGFNECILLFSDLPEIDIERCVRESINLFCWTPKS
ATYRQHAQPPKPSSDSSGGRSSAPYFSAECPDPPKTDLSRESIPLNDLKSEVSPRIS
AEDLIDLCELTVTGHFKTPSKKTKSSKPKLLVVDIRNSED FIRGHISGSINIPFSAAFTA
EGELTQGPYTAMLQNFKGKVIVVGHVAKHTAEFAAHLVKMKYPRICILDGGINKIKPT
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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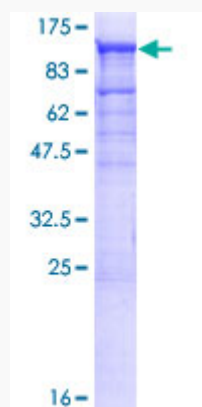
mRNA Refseq NM_001163435

Protein Refseq NP_001156907

MIM 616899

UniProt ID Q8TEA7

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue

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