

Recombinant Human TRIB3, GST-tagged

Cat. No. TRIB3-25H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human TRIB3 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
Description	TRIB3 or tribbles homolog 3 protein encode one of three members of the Tribbles family that share a Trb domain, which is homologous to protein serine-threonine kinases, but lacks the active site lysine and probably lacks a catalytic function. TRIB3 is a negative regulator of NF-kappaB and can also sensitize cells to TNF- and TRAIL-induced apoptosis. TRIB3 can negatively regulate the cell survival serine-threonine kinase AKT1. TRIB3 modulation by <i>H. pylori</i> and/or its products may be an important mechanism of <i>H. pylori</i> -associated pathogenesis. TRIB3 is a p65-interacting negative regulator of NF-kappa-B-dependent transcription. TRIB3 is highly expressed in pancreas, peripheral blood leukocytes, and bone marrow.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	~69 kDa
Applications	Western Blot
Storage	Store product at -70oC. For optimal storage, aliquot target into smaller quantities

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after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	TRIB3 tribbles homolog 3 (Drosophila) [Homo sapiens]
Official Symbol	TRIB3
Synonyms	TRIB3; tribbles homolog 3 (Drosophila); C20orf97, chromosome 20 open reading frame 97; tribbles homolog 3; dJ1103G7.3; TRB3; TRB-3; p65-interacting inhibitor of NF-kappaB; p65-interacting inhibitor of NF-kappa-B; neuronal cell death inducible putative kinase; neuronal cell death-inducible putative kinase; NIPK; SINK; SKIP3; C20orf97;
Gene ID	57761
mRNA Refseq	NM_021158
Protein Refseq	NP_066981
MIM	607898
UniProt ID	Q96RU7
Chromosome Location	20p13-p12.2
Pathway	Activation of PKB, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Adipogenesis, organism-specific biosystem; CD28 co-stimulation, organism-specific biosystem; CD28 dependent PI3K/Akt signaling, organism-specific

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biosystem; Costimulation by the CD28 family, organism-specific biosystem; Disease, organism-specific biosystem;

Function

ATP binding; enzyme binding; NOT kinase activity; protein binding; protein kinase binding; protein kinase binding; protein kinase inhibitor activity; transcription corepressor activity; ubiquitin protein ligase binding; ubiquitin-protein ligase regulator activity;

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