

Recombinant Human TRIB3 Protein (R2-G358), His/GST tagged

Cat. No. TRIB3-0563H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human 8His-GST-TEV-GG-TRIB3(R2-G358 end) Protein was expressed in Insect cell.
Species	Human
Source	Insect Cells
ProteinLength	R2-G358
Description	Inactive protein kinase which acts as a regulator of the integrated stress response (ISR), a process for adaptation to various stress. Inhibits the transcriptional activity of DDIT3/CHOP and is involved in DDIT3/CHOP-dependent cell death during ER stress. May play a role in programmed neuronal cell death but does not appear to affect non-neuronal cells. Acts as a negative feedback regulator of the ATF4-dependent transcription during the ISR: while TRIB3 expression is promoted by ATF4, TRIB3 protein interacts with ATF4 and inhibits ATF4 transcription activity. Disrupts insulin signaling by binding directly to Akt kinases and blocking their activation. May bind directly to and mask the 'Thr-308' phosphorylation site in AKT1. Interacts with the NF-kappa-B transactivator p65 RELA and inhibits its phosphorylation and thus its transcriptional activation activity. Interacts with MAPK kinases and regulates activation of MAP kinases. Can inhibit APOBEC3A editing of nuclear DNA.
Form	Liquid
Endotoxin	< 0.01 EU per

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	µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol
Shipping	It is shipped out with blue ice.

GENE INFORMATION

Gene Name	TRIB3 tribbles homolog 3 (Drosophila) [Homo sapiens (human)]
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

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MIM	607898
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UniProt ID	Q96RU7
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