

Recombinant Human TRIB1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TRIB1-1918H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TRIB1 MS Standard C13 and N15-labeled recombinant protein (NP_079471) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Adapter protein involved in protein degradation by interacting with RFWD2/COP1 ubiquitin ligase. The RFWD2-binding motif is masked by autoinhibitory interactions with the protein kinase domain. Serves to alter RFWD2 substrate specificity by directing the activity of RFWD2 toward CEBPA. Binds selectively the recognition sequence of CEBPA. Regulates myeloid cell differentiation by altering the expression of CEBPA in a RFWD2-dependent manner. Controls macrophage, eosinophil and neutrophil differentiation via the COP1-binding domain. Interacts with MAPK kinases and regulates activation of MAP kinases, but has no kinase activity.
Molecular Mass	41 kDa
AA Sequence	MRVGPVRSAMSGASQPRGPALLFPATRGVPAKRLLDADDAAVAACPRLSECSS PPDYLSPPGSPCSPQPPPAAPGAGGGSGSAPGPSRIADYLLLPLAEREHVSRALCIH TGRELRCVKVFIKHYQDKIRPYIQLPSHSNITGIVEVILGETKAYVFFEKDFGDMHSYV RSRKLREEEAARLFKQIVSAVAHCHQSAIVLGDCLKLRKFVFSTEERTQLRLESLEDT HIMKGEDDALSDKHGCPAYVSPEILNTTGTYSGKAADVWSLGVMLYTLLVGRYPFH

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DSDPSALFSKIRRGQFCIPEHISPKARCLIRSLRREPSERLTAPEILLHPWFESVLEP
GYIDSEIGTSDQIVPEYQEDSDISSFFCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	TRIB1 tribbles pseudokinase 1 [Homo sapiens (human)]
Official Symbol	TRIB1
Synonyms	TRIB1; tribbles homolog 1 (Drosophila); tribbles homolog 1; C8FW; GIG2; TRB1; GIG-2; TRB-1; tribbles-like protein 1; G-protein-coupled receptor induced protein; G-protein-coupled receptor-induced protein 2; phosphoprotein regulated by mitogenic pathways; G-protein-coupled receptor-induced gene 2 protein; SKIP1;
Gene ID	10221
mRNA Refseq	NM_025195
Protein Refseq	NP_079471

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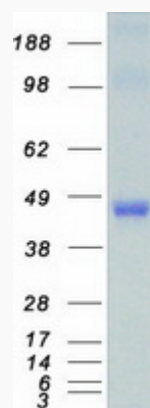
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MIM 609461

UniProt ID Q96RU8

SDS-PAGE



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