

Datasheet for ABIN7564675
TRIB3 Protein (AA 1-354) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	TRIB3
Protein Characteristics:	AA 1-354
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This TRIB3 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Trib3 Protein expressed in mammalien cells.
Sequence:	<p>MRATPLAASA DVSCRKKPLE FDDNIDAKCP VLKRVRDEPE PGPLPSLLPP SPPPASDLSP AVAPATRLGP YILLEREQGS CSYRALHCPT GTEYTCKVYP ASEAQAVLAP YARLPTHQHV ARPTEVLLGS RLLYIFFTKT HGDHLHSLVRS RRGIPSEAA GLFRQMASAV AHCHKHGLVL RDLKLRRFVF SNCERTKLVL ENLEDACVMT GSDDSLWDKH ACPAYVGPEI LSSRPSYSGK AADVWSLGVA LFTMLAGRYP FHDSEPVLLF GKIRRGTFAL PEGLSAPARC LIRCLLRKEP SERLVALGIL LHPWLREDHG RVSP PQSDRR EMDQVVPDGP QLEEAEEGEV GLYG Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>
Characteristics:	Key Benefits:

Product Details

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
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Grade:	custom-made
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Target Details

Target:	TRIB3
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Alternative Name:	Trib3 (TRIB3 Products)
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Background:	<p>Tribbles homolog 3 (TRB-3) (Neuronal cell death-inducible putative kinase),FUNCTION: Inactive protein kinase which acts as a regulator of the integrated stress response (ISR), a process for adaptation to various stress (PubMed:17369260). Inhibits the transcriptional activity of DDIT3/CHOP and is involved in DDIT3/CHOP-dependent cell death during ER stress (By similarity). May play a role in programmed neuronal cell death but does not appear to affect non-neuronal cells (By similarity). 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 (PubMed:12749859, PubMed:17369260). Disrupts insulin signaling by binding directly to Akt kinases and blocking their activation (PubMed:12791994). May bind directly to and mask the 'Thr-308' phosphorylation site in AKT1 (PubMed:12791994). Interacts with the NF-kappa-B transactivator p65 RELA and inhibits its phosphorylation and thus its transcriptional activation activity (By similarity). Interacts with MAPK kinases and regulates activation of MAP kinases (By similarity). Can inhibit APOBEC3A editing of nuclear DNA (PubMed:22977230).</p>
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Target Details

	{ECO:0000250 UniProtKB:Q96RU7, ECO:0000269 PubMed:12749859, ECO:0000269 PubMed:12791994, ECO:0000269 PubMed:17369260, ECO:0000269 PubMed:22977230}.
Molecular Weight:	39.0 kDa
UniProt:	Q8K4K2
Pathways:	Fc-epsilon Receptor Signaling Pathway , EGFR Signaling Pathway , Neurotrophin Signaling Pathway , Regulation of Lipid Metabolism by PPARalpha

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months