abcam

# Product datasheet

# Recombinant Human TRIB3 protein ab112420

1 Image

## Overview

| | |
|---|---|
| **Product name** | Recombinant Human TRIB3 protein |
| **Protein length** | Full length protein |

## Description

| | |
|---|---|
| **Nature** | Recombinant |
| **Source** | Wheat germ |

## Amino Acid Sequence

| | |
|---|---|
| **Accession** | Q96RU7 |
| **Species** | Human |
| **Sequence** | MRATPLAAPAGSLSRKKRLELDDNLDTERPVQKRARSGPQPRLPPCLLPL SPPTAPDRATAVATASRLGPYVLLEPEEGGRAYRALHCPTGTEYTCKVYP VQEALAVLEPYARLPPHKHVARPTEVLAGTQLLYAFFTRTHGDMHSLVRS RHRIPEPEAAVLFRQMATALAHCHQHGLVLRDLKLCRFVFADRERKKLVL ENLEDSCVLTGPDDSLWDKHACPAYVGPEILSSRASYSGKAADVWSLGVA LFTMLAGHYPFQDSEPVLLFGKIRRGAYALPAGLSAPARCLVRCLLRREP AERLTATGILLHPWLRQDPMPLAPTRSHLWEAAQVVPDGLGLDEAREEEG DREVVLYG |
| **Molecular weight** | 65 kDa including tags |
| **Amino acids** | 1 to 358 |

## Specifications

Our Abpromise guarantee covers the use of **ab112420** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| | |
|---|---|
| **Applications** | SDS-PAGE<br>ELISA<br>Western blot |
| **Form** | Liquid |
| **Additional notes** | Best use within three months from the date of receipt of this protein. |

## Preparation and Storage

**Stability and Storage**

Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles.

pH: 8.00
Constituents: 0.79% Tris HCl, 0.31% Glutathione

## General Info

**Function**

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. Binds to ATF4 and inhibits its transcriptional activation activity. 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. May play a role in programmed neuronal cell death but does not appear to affect non-neuronal cells. Does not display kinase activity.

**Tissue specificity**

Highest expression in liver, pancreas, peripheral blood leukocytes and bone marrow. Also highly expressed in a number of primary lung, colon and breast tumors. Expressed in spleen, thymus, and prostate and is undetectable in other examined tissues, including testis, ovary, small intestine, colon, leukocyte, heart, brain, placenta, lung, skeletal muscle, and kidney.

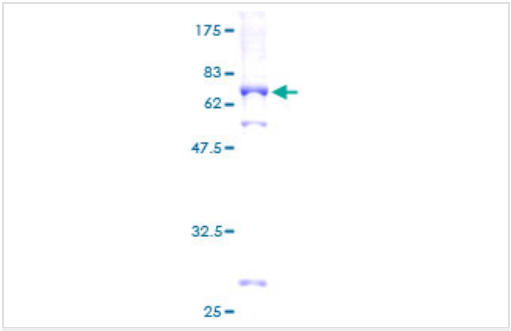
**Sequence similarities**

Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Tribbles subfamily.
Contains 1 protein kinase domain.

**Cellular localization**

Nucleus.

## Images




SDS-PAGE - TRIB3 protein (ab112420)

ab112420 analysed on a 12.5% SDS-PAGE gel stained with Coomassie Blue.



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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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