abcam

Product datasheet

Recombinant Human TRIO protein ab159748

1 Image

Description

Product name	Recombinant Human TRIO protein
Expression system	Wheat germ
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	ERKSSSLKRRHYVLQELVETERDYVRDLGYVVEGYMALM KEDGVPDDMKG KDKIVFGNIHQIYDWHRDFFLGELEKCLEDPEKLGSLFVKH ERRLHMYIA YCQNKPKSEH
Amino acids	1961 to 2070
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab159748** in the following tested applications.

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

Applications	ELISA Western blot
Form	Liquid
Additional notes	

Preparation and Storage

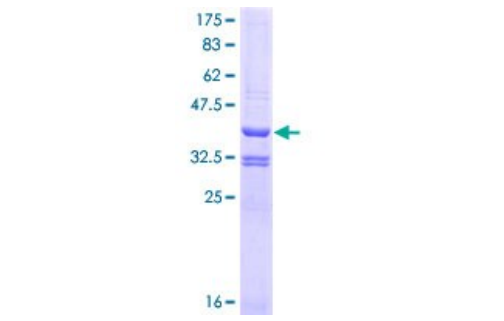
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80ºC. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

General info

Function	Promotes the exchange of GDP by GTP. Together with leukocyte antigen-related (LAR) protein, it could play a role in coordinating cell-matrix and cytoskeletal rearrangements necessary for cell migration and cell growth.
Tissue specificity	Highly expressed in heart, skeletal muscle, brain, pancreas, placenta, liver, kidney and lung.
Sequence similarities	Belongs to the protein kinase superfamily. CAMK Ser/Thr protein kinase family. Contains 1 CRAL-TRIO domain. Contains 2 DH (DBL-homology) domains. Contains 1 Ig-like C2-type (immunoglobulin-like) domain. Contains 2 PH domains. Contains 1 protein kinase domain. Contains 2 SH3 domains. Contains 4 spectrin repeats.
Domain	The N-terminal DBL/GEF domain specifically catalyzes nucleotide exchange for RAC1, leading to the activation of Jun kinase and the production of membrane ruffles. The second DBL/GEF domain is an exchange factor for rhoa and induces the formation of stress fibers.
Post-translational modifications	Phosphorylated on serine residue(s).
Cellular localization	Cytoplasm.

Images



SDS-PAGE - Recombinant Human TRIO protein (ab159748)

ab159748 on a 12.5% SDS-PAGE stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Replacement or refund for products not performing as stated on the datasheet
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