

Product datasheet

Recombinant Human DOCK1 protein ab114754

1 Image

Overview

Product name Recombinant Human DOCK1 protein
Protein length Full length protein

Description

Nature Recombinant
Source Wheat germ

Amino Acid Sequence

Accession [Q14185](#)
Species Human
Sequence MRIGRQSCKIHNYAINNGLFFKCMISPPSGDVRNDIYVTLVQGDFDKGSK
 TTAKNVEVTVSVYDEDGKRLEHVIFPGAGDEAISEYKSVIYYQVKQPRWF
 ETVKVLFTWSFYHMALIMKCSFVTQGNILTSSSARELLQAGRVS PNKVIQ
 GC
Molecular weight 43 kDa including tags
Amino acids 1 to 152

Specifications

Our [Abpromise guarantee](#) covers the use of **ab114754** in the following tested applications.
 The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications ELISA
 SDS-PAGE
 Western blot

Form Liquid

Additional notes Protein concentration is above or equal to 0.05 µg/ul.
 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 -80°C. Avoid freeze / thaw cycles.

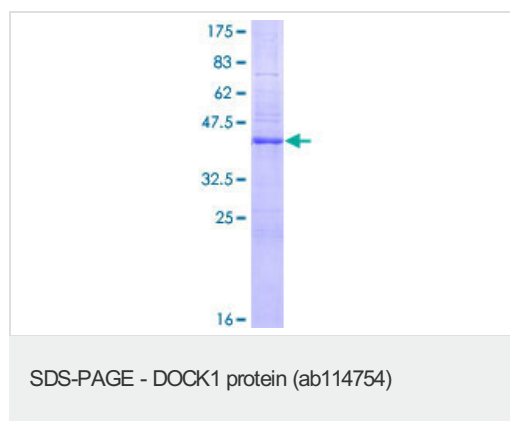
pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

General Info

Function	Involved in cytoskeletal rearrangements required for phagocytosis of apoptotic cells and cell motility. Functions as a guanine nucleotide exchange factor (GEF), which activates Rac Rho small GTPases by exchanging bound GDP for free GTP. Its GEF activity may be enhanced by ELMO1.
Tissue specificity	Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon.
Sequence similarities	Belongs to the DOCK family. Contains 1 DHR-1 (CZH-1) domain. Contains 1 DHR-2 (CZH-2) domain. Contains 1 SH3 domain.
Domain	The DHR-2 domain is necessary and sufficient for the GEF activity.
Cellular localization	Cytoplasm. Membrane. Recruited to membranes via its interaction with phosphatidylinositol 3,4,5-triphosphate.

Images



12.5% SDS-PAGE Stained with Coomassie
Blue showing ab114754 at approximately
42.79kDa.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

Our Abpromise to you: Quality guaranteed and expert technical support

- 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
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise,

please visit <http://www.abcam.com/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors