

Product datasheet

Recombinant Human DOCK1 protein ab114754

1 Image

Overview

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**Product name** Recombinant Human DOCK1 protein  
**Protein length** Full length protein

Description

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**Nature** Recombinant  
**Source** Wheat germ

Amino Acid Sequence

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

Specifications

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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

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**Stability and Storage** Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

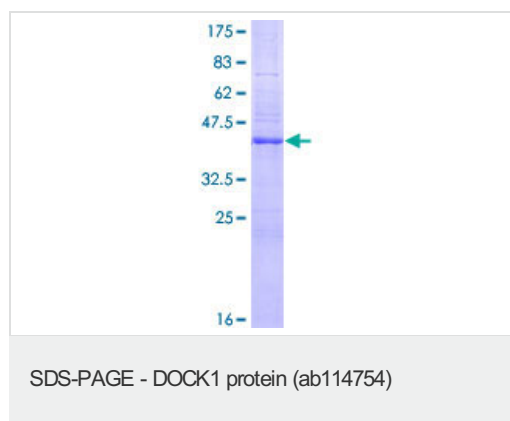
pH: 8.00

Constituents: 0.3% Glutathione, 0.79% Tris HCl

## General Info

<b>Function</b>	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.
<b>Tissue specificity</b>	Highly expressed in placenta, lung, kidney, pancreas and ovary. Expressed at intermediate level in thymus, testes and colon.
<b>Sequence similarities</b>	Belongs to the DOCK family. Contains 1 DHR-1 (CZH-1) domain. Contains 1 DHR-2 (CZH-2) domain. Contains 1 SH3 domain.
<b>Domain</b>	The DHR-2 domain is necessary and sufficient for the GEF activity.
<b>Cellular localization</b>	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
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- We provide support in Chinese, English, French, German, Japanese and Spanish
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