

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
 ETVKVLFTWSFYHMALIMKCSFVTQGNILTSSSARELLQAGRVSPNKVIQ
 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.

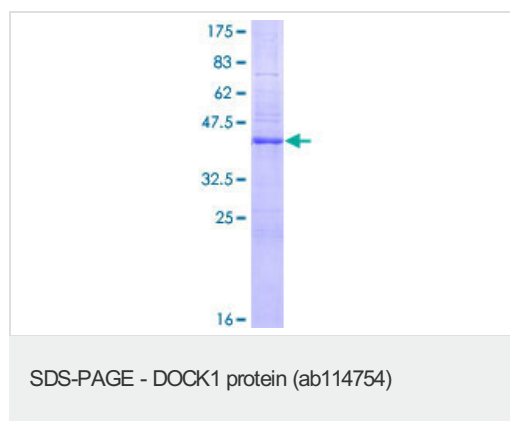
pH: 8.00

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.

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