

Product datasheet

Recombinant Human WASP/Wiskott-Aldrich syndrome protein ab152802

[1 Image](#)

Description

Product name	Recombinant Human WASP/Wiskott-Aldrich syndrome protein		
Expression system	Wheat germ		
Accession	<u>P42768</u>		
Protein length	Protein fragment		
Animal free	No		
Nature	Recombinant		
Species	Human		
Sequence	LPPGAEHWTKEHCGAVCFVKDNPQKSYFIRLYGLQAGRL LWEQELYSQLV YSTPTPFFHTFAGDDCQAGLNFADEDEAQAFRALVQEKI QKRNRQSGDR RQLPPPPTPANEER		
Predicted molecular weight	38 kDa including tags		
Amino acids	57 to 170		

Specifications

Our **Abpromise guarantee** covers the use of **ab152802** 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
	Western blot
	ELISA
Form	Liquid
Additional notes	This product was previously labelled as WASP.

Preparation and Storage

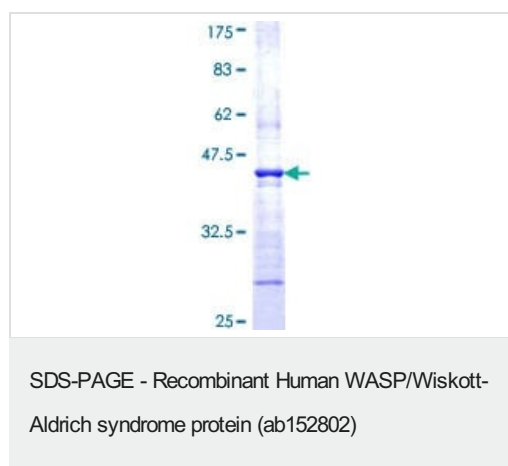
Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00
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Constituents: 0.31% Glutathione, 0.79% Tris HCl

General Info

Function	Effector protein for Rho-type GTPases, providing a link with the Arp2/3 complex that regulates the structure and dynamics of the actin cytoskeleton. Important for efficient actin polymerization. Possible regulator of lymphocyte and platelet function.
Tissue specificity	Expressed predominantly in the thymus. Also found, to a much lesser extent, in the spleen.
Involvement in disease	<p>Defects in WAS are the cause of Wiskott-Aldrich syndrome (WAS) [MIM:301000]; also known as eczema-thrombocytopenia-immunodeficiency syndrome. WAS is an X-linked recessive immunodeficiency characterized by eczema, thrombocytopenia, recurrent infections, and bloody diarrhea. Death usually occurs before age 10.</p> <p>Defects in WAS are the cause of thrombocytopenia type 1 (THC1) [MIM:313900]. Thrombocytopenia is defined by a decrease in the number of platelets in circulating blood, resulting in the potential for increased bleeding and decreased ability for clotting.</p> <p>Defects in WAS are a cause of neutropenia severe congenital X-linked (XLN) [MIM:300299]. XLN is an immunodeficiency syndrome characterized by recurrent major bacterial infections, severe congenital neutropenia, and monocytopenia.</p>
Sequence similarities	<p>Contains 1 CRIB domain.</p> <p>Contains 1 WH1 domain.</p> <p>Contains 1 WH2 domain.</p>
Domain	<p>The WH1 (Wasp homology 1) domain may bind a Pro-rich ligand.</p> <p>The CRIB (Cdc42/Rac-interactive-binding) region binds to the C-terminal WH2 domain in the autoinhibited state of the protein. Binding of Rho-type GTPases to the CRIB induces a conformation change and leads to activation.</p>
Cellular localization	Cytoplasm > cytoskeleton.

Images



12.5% SDS-PAGE analysis of ab152802 stained with Coomassie Blue.

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

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