

Recombinant Human WASP actin nucleation promoting factor Protein, His tagged

Cat. No. WAS-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human WAS Protein (230-310aa) with His tag was expressed in E. coli.
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Species	Human
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Source	E.coli
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ProteinLength	230-310aa
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Description

The Wiskott-Aldrich syndrome (WAS) family of proteins share similar domain structure, and are involved in transduction of signals from receptors on the cell surface to the actin cytoskeleton. The presence of a number of different motifs suggests that they are regulated by a number of different stimuli, and interact with multiple proteins. Recent studies have demonstrated that these proteins, directly or indirectly, associate with the small GTPase, Cdc42, known to regulate formation of actin filaments, and the cytoskeletal organizing complex, Arp2/3. Wiskott-Aldrich syndrome is a rare, inherited, X-linked, recessive disease characterized by immune dysregulation and microthrombocytopenia, and is caused by mutations in the WAS gene. The WAS gene product is a cytoplasmic protein, expressed exclusively in hematopoietic cells, which show signalling and cytoskeletal abnormalities in WAS patients. A transcript variant arising as a result of alternative promoter usage, and containing a different 5' UTR sequence, has been described, however, its full-length nature is not known.

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Tag	C-His
Molecular Mass	10 kDa
AA Sequence	MKKKISKADIGAPSGFKHVSHVGWDPQNGFDVNNLDPDLRSLFSRAGISEAQLTDA ETSKLIYDFIEDQGGLEAVRQEMRRQH HHHHHHHH
Endotoxin	< 1 EU/μg by LAL
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 10% Glycerol
Concentration	1 mg/mL by BCA

GENE INFORMATION

Gene Name	WAS WASP actin nucleation promoting factor [Homo sapiens (human)]
Official Symbol	WAS
Synonyms	WAS; WASP actin nucleation promoting factor; THC; IMD2; SCN1; THC1; WASP; WASPA; actin nucleation-promoting factor WAS; eczema-thrombocytopenia; thrombocytopenia 1 (X-linked); wiskott-Aldrich syndrome protein
Gene ID	7454
mRNA Refseq	NM_000377

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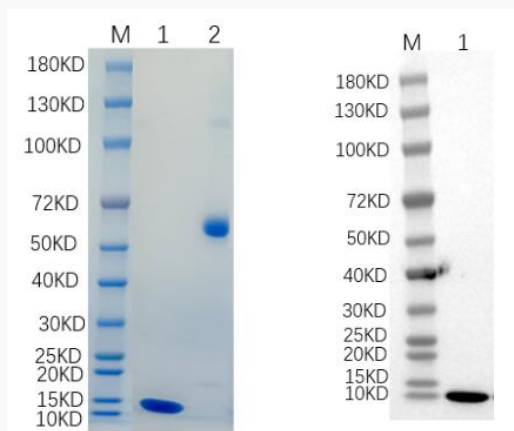
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Protein Refseq NP_000368

MIM 300392

UniProt ID P42768

**Reducing 4%-20%
SDS-PAGE (CBB
stained) and WB
(Anti-His Mouse
Monoclonal
antibody) analysis
profiles of purified
WAS.**



1. WAS
2. BSA

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