

Recombinant Human WAS Protein (Leu39-Gly251), His tagged

Cat. No. WAS-5489H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human WAS (Leu39-Gly251) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu39-Gly251
Description	Effector protein for Rho-type GTPases that regulates actin filament reorganization via its interaction with the Arp2/3 complex. Important for efficient actin polymerization. Possible regulator of lymphocyte and platelet function. Mediates actin filament reorganization and the formation of actin pedestals upon infection by pathogenic bacteria In addition to its role in the cytoplasmic cytoskeleton, also promotes actin polymerization in the nucleus, thereby regulating gene transcription and repair of damaged DNA. Promotes homologous recombination (HR) repair in response to DNA damage by promoting nuclear actin polymerization, leading to drive motility of double-strand breaks (DSBs).
Form	Lyophilized powder/frozen liquid
Molecular Mass	24.67 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.

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; SCNX; 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
Protein Refseq	NP_000368
MIM	300392
UniProt ID	P42768

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