

Recombinant Mouse Wasl Protein, Myc/DDK-tagged

Cat. No. Wasl-6966M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Mouse Wiskott-Aldrich syndrome-like (human) (Wasl), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Regulates actin polymerization by stimulating the actin-nucleating activity of the Arp2/3 complex. Involved in various processes, such as mitosis and cytokinesis, via its role in the regulation of actin polymerization. Together with CDC42, involved in the extension and maintenance of the formation of thin, actin-rich surface projections called filopodia. In addition to its role in the cytoplasm, also plays a role in the nucleus by regulating gene transcription, probably by promoting nuclear actin polymerization. Binds to HSF1/HSTF1 and forms a complex on heat shock promoter elements (HSE) that negatively regulates HSP90 expression. Plays a role in dendrite spine morphogenesis.
Molecular Mass	54.3 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.

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Concentration	>50 µg/mL as determined by microplate BCA method
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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
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GENE INFORMATION

Gene Name	Wasl WASP like actin nucleation promoting factor [Mus musculus (house mouse)]
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Official Symbol	Wasl
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Synonyms	WASL; Wiskott-Aldrich syndrome-like (human); neural Wiskott-Aldrich syndrome protein; N-WASP; 2900021I12Rik; 3110031I02Rik
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Gene ID	73178
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mRNA Refseq	NM_028459
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Protein Refseq	NP_082735
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UniProt ID	Q91YD9
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