



# Recombinant Mouse Wiskott-Aldrich syndrome protein homolog (Was)

<b>Product Code</b>	CSB-MP025967MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P70315
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MNSGPGPVGG RPGGRGGPAV QQNIPSNLLQ DHENQRLFEL  LGRKCWTLAT TVVQLYLALP PGAEHWTMEH CGAVCFVKDN PQKSYFIRLY  GLQAGRLLWE QELYSQLVYL TPTPFHTFA GDDCQVGLNF ADESEAQAFR  ALVQEKIQKR NQRQSGERRQ LPPPPAPINE ERRGGLPPVP PHPGGDHGGP  SGGPLSLGLV TVDIQNPDI SSRYRGLPAP GPGPTDKKRS GKKKISKADI  GAPSGFKHVS HVGWDPQNGF DVNNLDPDLR SLFSRAGISE AQLTDAETSK  LIYDFIEDQG GLEAVRQEMR RQEPLPPPPP PCRGGGGGGGG  GGGGGGGGGG GQPLRPPVVG SNKGRSGPLP PVPMGGAPPP  PTPRGPPPPG RGGPPPPPPP ATGRSGPPPP PLPGAGGPPA PPPPPPPPPP  PPCPGSGPAP PPLPPTPVSG GSPAPGGGRG ALLDQIRQGI QLNKTPGALE  NSVQQPPAQQ SEGLVGALMH VMQKRSRVIH SSDEGEDQTG  EDEEDDEWDD</p>
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Was
<b>Protein Names</b>	Recommended name: Wiskott-Aldrich syndrome protein homolog Short name= WASp
<b>Expression Region</b>	1-520
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	<p>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</p>



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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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.