



Recombinant Rat Neural Wiskott-Aldrich syndrome protein (Wasl)

Product Code	CSB-EP025973RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	O08816
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	SSGQQPPRR VTNVGSLLLT PQENESLFSF LGKKCVTMSS AVVQLYAADR NCMWSKKCSG VACLVKDNPQ RSYFLRIFDI KDGKLLWEQE LYNNFVYNP RGYFHTFAGD TCQVALNFAN EEEAKKFRKA VTDLLGRRQR KSEKRRDAPN GPNLPMATVD IKNPEITTNR FYSSQVNNIS HTKEKKKGKA KKKRLTKADI GTPSNFQHIG HVGWDPNTGF DLNNDPELK NLFDMCGISE AQLKDRETSK VIYDFIEKTG GVEAVKNELR RQAPPPPPPS RGGPPPPPPP PHSSGPPPPP ARGRGAPPPP PSRAPTAAPP PPPPSRPGVV VPPPPPNRMY PPPPALPSS APSGPPPPPP LSMAGSTAPP PPPPPPPPPG PPPPPGLPSD GDHQV/PASSG NKAALLDQIR EGAQLKKVEQ NSRPVSCSGR DALLDQIRQG IQLKSVSDGQ ESTPPTPAPT SGIVGALMEV MQKRKAIHS SDEDEDDEDE EDFQDDDEWE D
Source	E.coli
Target Names	Wasl
Protein Names	Recommended name: Neural Wiskott-Aldrich syndrome protein Short name= N-WASP
Expression Region	2-501
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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. The WASL gene product is a homolog of WAS protein, however, unlike the latter, it is ubiquitously expressed and shows highest expression in neural tissues. It has been shown to bind Cdc42 directly, and induce formation of long actin microspikes.



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.

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.