

## Product datasheet for PH307967

### N WASP (WASL) (NM\_003941) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	WASL MS Standard C13 and N15-labeled recombinant protein (NP_003932)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC207967
Predicted MW:	54.8 kDa
Protein Sequence:	>RC207967 protein sequence Red=Cloning site Green=Tags(s)

MSSVQQQPPPPRRVTNVGSLLLTPQENESLFTFLGKKCVTMSSAVVQLYAADRNCMWSKCSGVAQLVKD  
NPQRSYFLRIFDIKDGKLLWEQELYNFVYNSPRGYFHTFAGDTCQVALNFANEEAAKFRKAVTDLLGR  
RQRKSEKRRDPPNGPNLPMATVDIKNPEITTRNFYGPQVNNISHTKEKKKGAKKKRLTKADIGTPSNFQ  
HIGHVGDWPNTGFDLNNLDPELKNLFDMCGISEAQLKDRETSKVIYDFIEKTGGVEAVKNELRRQAPPPP  
PPSRGGPPPPPPPHNSGPPPPPARGRGAPPPPSRAPTAAPPPPPPSRPSVAVPPPPNRMYP PPPPAL  
PSSAPSGPPPPPSVLGVGPVAPPPPPPPPPGPPPPGLPSGDHQVPTTAGNKAALLDQIREGAQLK  
KVEQNSRPVSCSRDALLDQIRQGIQLKSVADGQESTPPTPAPTSGIVGALMEVMQKRSKAIHSSDEDED  
EDDEEDFEDDEWED

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_003932</u>
RefSeq Size:	4447
RefSeq ORF:	1515



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**Synonyms:** N-WASP; NWASP; WASPB

**Locus ID:** 8976

**UniProt ID:** [O00401](#)

**Cytogenetics:** 7q31.32

**Summary:** This gene encodes a member of the Wiskott-Aldrich syndrome (WAS) protein family. Wiskott-Aldrich syndrome proteins share similar domain structure, and associate with a variety of signaling molecules to alter the actin cytoskeleton. The encoded protein is highly expressed in neural tissues, and interacts with several proteins involved in cytoskeletal organization, including cell division control protein 42 (CDC42) and the actin-related protein-2/3 (ARP2/3) complex. The encoded protein may be involved in the formation of long actin microspikes, and in neurite extension. [provided by RefSeq, Jul 2013]

**Protein Families:** Druggable Genome

**Protein Pathways:** Adherens junction, Chemokine signaling pathway, Fc gamma R-mediated phagocytosis, Pathogenic Escherichia coli infection, Regulation of actin cytoskeleton

### Product images:



Coomassie blue staining of purified WASL protein (Cat# [TP307967]). The protein was produced from HEK293T cells transfected with WASL cDNA clone (Cat# [RC207967]) using MegaTran 2.0 (Cat# [TT210002]).