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Datasheet for ABIN1989806  
**WASP Protein (AA 1-502) (GST tag)**

### Overview

Quantity:	25 µg
Target:	WASP (WAS)
Protein Characteristics:	AA 1-502
Origin:	Human
Source:	Wheat germ
Protein Type:	Recombinant
Purification tag / Conjugate:	This WASP protein is labelled with GST tag.
Application:	Western Blotting (WB), ELISA, Antibody Array (AA), Affinity Purification (AP)

### Product Details

Purpose:	WAS (Human) Recombinant Protein (P01)
Sequence:	MSGGPMGGRP GGRGAPAVQQ NIPSTLLQDH ENQLRFEMLG RKCLTLATAV VQLYLALPPG AEHWTKEHCG AVCFVKDNPQ KSYFIRLYGL QAGRLLWEQE LYSQLVYSTP TPFHFTFAGD DCQAGLNFAD EDEAQAFRAL VQEKIQRNQ RQSGDRRQLP PPPTANEER RGGLPPLPLH PGGDQGGPPV GPLSLGLATV DIQNPDITSS RYRGLPAPGP SPADKKRSGK KKISKADIGA PSGFKHVSHV GWDPQNGFDV NNLDPLRSL FSRAGISEAQ LTDAETSKLI YDFIEDQGGL EAVRQEMRRQ EPLPPPPPPS RGGNQLPRPP IVGGNKGRSG PLPPVPLGIA PPPPTPRGPP PPGRGGPPPP PPPATGRSGP LPPPPGAGG PPMPPPPPPP PPPPSSGNP APPPLPPALV PAGGLAPGGG RGALLDQIRQ GIQLNKTPGA PESSALQPPP QSSEGLVGAL MHVMQKRSRA IHSSDEGEDQ AGDEDEDDEW DD
Characteristics:	Human WAS full-length ORF (AAH12738.1, 1 a.a. - 502 a.a.) recombinant protein with GST tag at N-terminal.

## Product Details

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Purification: in vitro wheat germ expression system

## Target Details

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Target: WASP (WAS)

Alternative Name: WAS ([WAS Products](#))

Background: Synonyms: IMD2,THC,WASP

Gene Description: Wiskott-Aldrich syndrome (eczema-thrombocytopenia)

Gene Name: WAS

Gene Summary: 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 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.

GenBank: BC012738.2, AAH12738.1

Molecular Weight: 81.62 kDa (theoretical)

Gene ID: 7454

## Application Details

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Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

## Handling

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Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH =8.0 in the elution buffer.

Handling Advice: Aliquot to avoid repeated freezing and thawing.

Storage: -80 °C

## Handling

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Storage Comment: Best use within three months from the date of receipt of this protein.