

Datasheet for ABIN7545109  
**WASF1 Protein (AA 1-559) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	WASF1
Protein Characteristics:	AA 1-559
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WASF1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant WASF1 Protein expressed in mammalian cells.
Sequence:	<p>MPLVKRNIDP RHLCHTALPR GIKNELECVT NISLANIIRQ LSSLSKYAED IFGELFNEAH SFSFRVNSLQ ERVDRLSVSV TQLDPKEEEL SLQDITMRKA FRSSTIQDQQ LFDKTLPIP LQETYDVCEQ PPPLNILTPY RDDGKEGLKF YTNPSYFFDL WKEKMLQDTE DKRKEKRKQK QKNLDRPHEP EKVPRAPHDR RREWQKLAQG PELAEDDANL LHKHIEVANG PASHFETRPQ TYVDHMDGSY SLSALPFSQM SELLTRAEER VLVRPHEPPP PPPMHGAGDA KPIPTCISSA TGLIENRPOS PATGRTPV FV SPTPPPPPPP LPSALSTSSL RASMTSTPPP PVPPPPPPPA TALQAPAVPP PPAPLQIAPG VLHPAPPPIA PPLVQPSPPV ARAAPVCETV PVHPLPQGEV QGLPPPPPPP PLPPPGIRPS SPVTVTALAH PPSGLHPTPS TAPGPHVPLM PPSPPSQVIP ASEPKRHPST LPVISDARSV LLEAIRKGIQ LRKVEEQREQ EAKHERIEND VATILSRRIA VEYSDSEDDS EFDEVDWLE <b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

---

**Specificity:** If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

---

**Characteristics:** **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

---

**Purity:** > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

---

**Grade:** custom-made

---

## Target Details

---

**Target:** WASF1

---

**Alternative Name:** WASF1 ([WASF1 Products](#))

---

**Background:** Actin-binding protein WASF1 (Protein WAVE-1) (Verprolin homology domain-containing protein 1) (Wiskott-Aldrich syndrome protein family member 1) (WASP family protein member 1),FUNCTION: Downstream effector molecule involved in the transmission of signals from tyrosine kinase receptors and small GTPases to the actin cytoskeleton. Promotes formation of actin filaments. Part of the WAVE complex that regulates lamellipodia formation (PubMed:29961568). The WAVE complex regulates actin filament reorganization via its interaction with the Arp2/3 complex (By similarity). As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity). Also involved in the regulation of mitochondrial dynamics (PubMed:29961568). {ECO:0000250|UniProtKB:Q8R5H6, ECO:0000269|PubMed:29961568, ECO:0000269|PubMed:9889097}.

---

## Target Details

---

Molecular Weight:	61.7 kDa
UniProt:	<a href="#">Q92558</a>
Pathways:	<a href="#">RTK Signaling, Regulation of Actin Filament Polymerization</a>

## Application Details

---

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

## Handling

---

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months