

Datasheet for ABIN7556003  
**WHAMM Protein (AA 1-809) (His tag)**



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## Overview

Quantity:	1 mg
Target:	WHAMM
Protein Characteristics:	AA 1-809
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This WHAMM protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

## Product Details

Purpose:	Custom-made recombinat WHAMM Protein expressed in mammalien cells.
Sequence:	<p>MEDEQPDSLE GWVPVREGLF AEPPERHRLRF LVAWNGAEGK FAVTCHDRTA QRRRLREGAR            LGPEPEPKPE AAVSPSSWAG LLSAAGLRGA HRQLAALWPP LERCFPRLPP ELDVGGGGAW            GLGLGLWALL WPTRAGPGEA ALQELCGQLE RYLGAADGC GGATVRDALF PAEGGAADCE            SPREFRERAL RARWVEADAR LRQVIQGHGK ANTMVALMNV YQEEDEAYQE LVTVATMFFQ            YLLQPFRAMR EVATLCKLDI LKSLDEDDLK PRRVVALEKE AEEWTRRAEE AVVSIQDITV            NYFKETVKAL AGMQKEMEQQ AKRFGQAAWA TAIPRLEKLQ LMLARETLQL MRAKELCLNH            KRAEIQGKME DLPEQEKNNTN VVDELEIQFY EIQLELYEVK FEILKNEEIL LTTQLDSLKR            LIKEKQDEVV YYDPCENPEE LKVIDCVVGL QDDKNLEVKE LRRQCQQLS KRGRICAKRA            SLRSRKDQCK ENHRFRLQQA EESIRYSRQH HSIQMKRDKI KEEEQKKKEW INQERQKTLQ            RLRSFKDKRL AQSVRNTSGS EPVAPNLPSD LSQQMCLPAS HAVSVIHPSR RKTRGVPLSE            AGNVKSPKCQ NCHGNIPVQV FVPVGDQTHS KSSEELSLPP PPPPPPPPPP PPPPPPPPLR</p>

## Product Details

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ALSSSSQAAT HQNLGFRAPV KDDQPRPLVC ESPAERPRDS LESFSCPGSM DEVLASLRHG  
RAPLRKVEVP AVRPPHASIN EHILAAIRQG VKLKKVHPDL GPNPSSKPTS NRRTSDLERS  
IKAALQRIKR VSADSEEDSD EQDPGQWDG **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.**

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

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### Grade:

custom-made

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## Target Details

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### Target:

WHAMM

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### Alternative Name:

WHAMM ([WHAMM Products](#))

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### Background:

WASP homolog-associated protein with actin, membranes and microtubules (WASP protein homology region 2 domain-containing protein 1) (WH2 domain-containing protein 1),FUNCTION: Acts as a nucleation-promoting factor (NPF) that stimulates Arp2/3-mediated actin polymerization both at the Golgi apparatus and along tubular membranes. Its activity in membrane tubulation requires F-actin and interaction with microtubules. Proposed to use coordinated actin-nucleating and microtubule-binding activities of distinct WHAMM molecules to drive membrane tubule elongation, when MT-bound can recruit and remodel membrane

## Target Details

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vesicles but is prevented to activate the Arp2/3 complex. Involved as a regulator of Golgi positioning and morphology. Participates in vesicle transport between the reticulum endoplasmic and the Golgi complex. Required for RhoD-dependent actin reorganization such as in cell adhesion and cell migration. {ECO:0000269|PubMed:18614018, ECO:0000269|PubMed:23027905, ECO:0000269|PubMed:23087206}.

Molecular Weight: 90.9 kDa

UniProt: [Q8TF30](#)

## Application Details

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Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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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