

Datasheet for ABIN7545971

**Septin 12 Protein (Sep12) (AA 1-358) (His tag)**[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	Septin 12 (Sep12)
Protein Characteristics:	AA 1-358
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Septin 12 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

## Product Details

Purpose:	Custom-made recombinat SEPTIN12 Protein expressed in mammalian cells.
Sequence:	MDPLRRSPSP CLSSQPSSPS TPPCEMLGPV GIEAVLDQLK IKAMKMGFEF NIMVVGQSGL GKSTMVNTLF KSKVWKSNNP GLGVPTPQTL QLHSLTHVIE EKGVKLKLTV TDTPGFGDQI NNDNCWDPIL GYINEQYEYQ LQEEILITRQ RHIPDTRVHC CVYFVPPTGH CLRPLDIEFL QRLCRTVNVV PVIARADSLT MEERAEFRRR IQQLRTHCI DVYPQMCFDE DINDKILNSK LRDRIPFAVV GADQEHLVNG RCVLGRKTKW GIIEVENMAH CEFPLLRDLL IRSHLQDLKD ITHNIHYENY RVIRLNESHL LPRGPGWVNL APASPGQLTT PRTFKVCRGA HDDSDDDEF <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>
Characteristics:	Key Benefits:

## Product Details

---

- 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, Western Blot

---

Grade: custom-made

## Target Details

---

Target: Septin 12 (Sep12)

---

Alternative Name: SEPTIN12 ([Sep12 Products](#))

---

Background: Septin-12,FUNCTION: Filament-forming cytoskeletal GTPase (By similarity). Involved in spermatogenesis. Involved in the morphogenesis of sperm heads and the elongation of sperm tails probably implicating the association with alpha- and beta-tubulins (PubMed:24213608). Forms a filamentous structure with SEPTIN7, SEPTIN6, SEPTIN2 and probably SEPTIN4 at the sperm annulus which is required for the structural integrity and motility of the sperm tail during postmeiotic differentiation (PubMed:25588830). May play a role in cytokinesis (Potential). {ECO:0000250, ECO:0000269|PubMed:24213608, ECO:0000269|PubMed:25588830, ECO:0000305}.

---

Molecular Weight: 40.7 kDa

---

UniProt: [Q8IYM1](#)

## Application Details

---

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies

---

## Application Details

---

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

---

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