

Datasheet for ABIN7564739  
**ASZ1 Protein (AA 1-475) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	1 mg
Target:	ASZ1
Protein Characteristics:	AA 1-475
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ASZ1 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Asz1 Protein expressed in mammalian cells.
Sequence:	MAAGTLRGLA VAGGGESSDS EDDGWDIGYL DRSSQKLKRS LPVEEKNETF KKALTTGDIS LVKELLDSCI NVDSFRYGW TPLMYAASVA NAELVRFLD RGANASFDKD KLILISACS ARGSEEVKLV CVELLSRNA DPNTACRRML TPIMYAARDG HTQVVALLVA HGAEVNAQDE NGYTALTWAA RQGHKNVILK LLELGANKML QTKDGRTPSE IAKRNKHLEI FNFLSLTLNP LEGKLQLTK EETICKLLAT DSDKEKDHF SPYAFGDLE IFLHGLGLEH MTDSLKEKDI TLRHLLTMKK DELTKNGIAS KDQKILAAL KELEVEEINF GKLPEVTKLE ISGDFLNFL LKLKQCGHL ITAVQNIITE LPVNSHKIVL EWASPRNFTS VCEELVSNVE DLNEEVCRLK ELIQMQNER ENDPHTIPLV EEVSTWKTRI LKRSVTVCG FGLLLFIGKL TLQRK <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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

---

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:

ASZ1

---

### Alternative Name:

Asz1 ([ASZ1 Products](#))

---

### Background:

Ankyrin repeat, SAM and basic leucine zipper domain-containing protein 1 (Germ cell-specific ankyrin, SAM and basic leucine zipper domain-containing protein),FUNCTION: Plays a central role during spermatogenesis by repressing transposable elements and preventing their mobilization, which is essential for the germline integrity. Acts via the piRNA metabolic process, which mediates the repression of transposable elements during meiosis by forming complexes composed of piRNAs and Piwi proteins and governs the methylation and subsequent repression of transposons. Its association with pi-bodies suggests a participation in the primary piRNAs metabolic process. Required prior to the pachytene stage to facilitate the production of multiple types of piRNAs, including those associated with repeats involved in regulation of retrotransposons. May act by mediating protein-protein interactions during germ cell maturation. {ECO:0000269|PubMed:19730684}.

---

### Molecular Weight:

53.0 kDa

---

## Target Details

---

UniProt: [Q8VD46](#)

## 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