

Datasheet for ABIN7563791
SPIRE1 Protein (AA 1-598) (His tag)



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Overview

Quantity:	1 mg
Target:	SPIRE1
Protein Characteristics:	AA 1-598
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This SPIRE1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Spire1 Protein expressed in mammalian cells.
Sequence:	<p>MANTVEADGS KDEGYEAADE GPEDEDGEKR SISAIRSYQD VMKICAAHLP TESEAPNHYQ AVCRALFAET MELHTFLTKI KSAKENLKKI QEMEKGDDESS TDLEDLKNAD WARFWVQVMR DLRNGVKLKK VQQRQYNPLP IEYQLTPYEM LMDDIRCKRY TLRKVMVNGD VPPRLKNSAH EVILDFIRSR PPLNPVSARK LKPTPPRPRS LHERILEEIK AERKLRPVSP EEIRRSRLVR PLSMHSFDL SDVTTPEPK NVGESSMVNG GLTSQTKENG LSAAQQGSAQ RKRLKAPTL AELDSSDSEE EKSLHKSTSS SSASPSLYED PVLEAMCSRK KPPKFLPISS TPQPERRQPP QRRHSIEKET PTNVRQFLPP SRQSSRSLEE FCYPVECLAL TVEEVMHIRQ VLVKAELEKY QQYKDVYTAL KKGKLCFCCR TRRFSFFTWS YTCQFCKRPV CSQCCKMRL PSKPYSTLPI FSLGPSALQR GESCSRSEKP STSHHRPLRS IARFSTKSRS VDKSDEELQF PKELMEDWST MEVCVDCKKF ISEIISRRR SLVLANKRAR LKRKTQSFYM SSAGPSEYCP SERTINEI 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</p>

Product Details

have a special request, please contact us.

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: SPIRE1

Alternative Name: Spire1 ([SPIRE1 Products](#))

Background: Protein spire homolog 1,FUNCTION: Acts as an actin nucleation factor, remains associated with the slow-growing pointed end of the new filament. Involved in intracellular vesicle transport along actin fibers, providing a novel link between actin cytoskeleton dynamics and intracellular transport (PubMed:21983562). Required for asymmetric spindle positioning and asymmetric cell division during meiosis. Required for normal formation of the cleavage furrow and for polar body extrusion during female germ cell meiosis (PubMed:21620703). Also acts in the nucleus: together with FMN2, promotes assembly of nuclear actin filaments in response to DNA damage in order to facilitate movement of chromatin and repair factors after DNA damage. In addition, promotes innate immune signaling downstream of dsRNA sensing. Mechanistically, contributes to IRF3 phosphorylation and activation downstream of MAVS and upstream of

Target Details

TBK1. {ECO:0000250|UniProtKB:Q08AE8, ECO:0000269|PubMed:21620703, ECO:0000269|PubMed:21983562}.

Molecular Weight: 68.5 kDa

UniProt: [Q52KF3](#)

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