

Datasheet for ABIN7560170

## **AFG3 ATPase Family Member 3-Like 1 (S. Cerevisiae), Pseudogene (AFG3L1P) (AA 1-789) protein (His tag)**



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### Overview

Quantity:	1 mg
Target:	AFG3 ATPase Family Member 3-Like 1 (S. Cerevisiae), Pseudogene (AFG3L1P)
Protein Characteristics:	AA 1-789
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag

### Product Details

Purpose:	Custom-made recombinant Afg3l1 Protein expressed in mammalian cells.
Sequence:	<pre>MLLRLVGAAG SRALAWPFSK LWRCGGCAGS GGTWSSVRA CGIALQGH LG RCSQQLALQG KLTSFSPRLY SKPPRGFEKF FKNKKNR KSA SPGNSVPPKK EPKNAGPGGD GNRGGKGDD FPWWKRMQKG EFPWDDKDFR SLAVLGAGVA AGFLYFYFRD PGKEITWKHF VQYYLARGLV DRLEVVNKQF VRVIPVPGTT SERFVWFNIG SVDTFERNLE SAQWELGIEP TNQAAVVYTT ESDGSFLRSL VPTLVLVSIL LYAMRRGPMG TGRGGRGGGL FSVGETTAKI LKNNIDVRFA DVAGCEEAKL EIMEFVNFLK NPKQYQDLGA KIPKGAMLTG PPGTGKTLA KATAGEANVP FITVNGSEFL EMFVGVGPAR VRDMFAMARK HAPCILFIDE IDAIGRKRGR GHLGGQSEQE NTLNQMLVEM DGFNSSTNVV VLAGTNR PDI LDPALTRPGR FDRQIYIGPP DIKGRSSIFK VHLRPLKLDG SLSKDALS RK LAALTPGFTG ADISNVCNEA ALIARHLSP SVQERHFEQA IERVIGGLEK KTQVLQPSEK TTVAYHEAGH AVGW FLEHA DPLLK VSIIP RGKGLGYAQY LPREQFLYTR EQLFDRMCMM LGGRVAEQLF FGQITTGAQD DLRKVTQSAY AQIVQFGMSE KLGQVSDFDP RQGETMVEKP YSEATAQLID EEV RCLV RSA YNRTLELLTQ CREQVEKVGR</pre>

## Product Details

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RLLEKEVLEK ADMIELLGPR PFAEKSTYEE FVEGTGSLEE DTSLPEGLKD WNKGREGGT  
ERGLQESPV **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.**

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

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Target: AFG3 ATPase Family Member 3-Like 1 (S. Cerevisiae), Pseudogene (AFG3L1P)

Alternative Name: Afg3l1 ([AFG3L1P Products](#))

Background: AFG3-like protein 1 (EC 3.4.24.-),FUNCTION: Putative ATP-dependent protease. Required for the maturation of paraplegin (SPG7) after its cleavage by mitochondrial-processing peptidase (MPP), converting it into a proteolytically active mature form.  
{ECO:0000269|PubMed:19656850}.

Molecular Weight: 87.0 kDa

UniProt: [Q920A7](#)

## Application Details

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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.

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Restrictions: For Research Use only

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## Handling

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Format: Liquid

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Buffer: The buffer composition is at the discretion of the manufacturer.

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Handling Advice: Avoid repeated freeze-thaw cycles.

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Storage: -80 °C

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Storage Comment: Store at -80°C.

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Expiry Date: 12 months

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