

Datasheet for ABIN7560096
FKBP6 Protein (AA 1-327) (His tag)



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Overview

Quantity:	1 mg
Target:	FKBP6
Protein Characteristics:	AA 1-327
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP6 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat Fkbp6 Protein expressed in mammalian cells.
Sequence:	<p>MGGSTRDPGA LEGAGILGQS PYERLSQRML DISGDRGVLK DIIREGTGDT VTPDASVLVK</p> <p>YSGYLEHMDK PFDSNCFRKT PRLMKLGEDI TLWGMELGLL SMRKGELARF LFKPAYAYGT</p> <p>LGCPLIPPN ATVLFEIELI DFLDSAESDK FCALSAEQQE QFPLQKVLKV AATEREFGNY</p> <p>LFRQNRFCDA KVRYSKRALLL LHRRLATCEE QHLVEPAVLL VLLNLSFVYL KLDRPAMALR</p> <p>YGEQALLIDK RNAKALFRCG QACLLLTEYE RARDFLVRAQ KEQPCNHDIN NELKKLSSHY</p> <p>RDYVDREREM CHRMFAPCGS RSSVGGN 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.</p>
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
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Grade:	custom-made
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Target Details

Target:	FKBP6
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Alternative Name:	Fkbp6 (FKBP6 Products)
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Background:	<p>Inactive peptidyl-prolyl cis-trans isomerase FKBP6 (Inactive PPIase FKBP6) (36 kDa FK506-binding protein) (36 kDa FKBP) (FKBP-36) (FK506-binding protein 6) (FKBP-6) (Immunophilin FKBP36),FUNCTION: Co-chaperone required during spermatogenesis to repress transposable elements and prevent 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 govern the methylation and subsequent repression of transposons. Acts as a co-chaperone via its interaction with HSP90 and is required for the piRNA amplification process, the secondary piRNA biogenesis. May be required together with HSP90 in removal of 16 nucleotide ping-pong by-products from Piwi complexes, possibly facilitating turnover of Piwi complexes.</p> <p>{ECO:0000269 PubMed:12764197, ECO:0000269 PubMed:18408354, ECO:0000269 PubMed:22902560}.</p>
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Molecular Weight:	37.1 kDa
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UniProt:	Q91XW8
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Target Details

Pathways: [M Phase](#)

Application Details

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

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