

Datasheet for ABIN7547725  
**FKBP8 Protein (AA 1-412) (His tag)**



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## Overview

Quantity:	1 mg
Target:	FKBP8
Protein Characteristics:	AA 1-412
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP8 protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant FKBP8 Protein expressed in mammalian cells.
Sequence:	MASCAEPSEP SAPLPAGVPP LEDFEVLDGV EDAEGEEEE EEEEEEDDLS ELPPLEDMGQ PPAEAEQPG ALAREFLAAM EPEPAPAPAP EEWLDILGNG LLRKKTLVPG PPGSSRPVKG QVVTVHLQTS LENGTRVQEE PELVFTLGDC DVIQALDLSV PLMDVGETAM VTADSKYCYG PQGRSPYIPP HAALCLEVTL KTAVDGPDLE MLTGQERVAL ANRKRECGNA HYQRADFVLA ANSYDLAICA ITSSAKVDMT FEEEAQLQL KVKCLNNLAA SQLKLDHYRA ALRSCSLVLE HQPDPNIKALF RKGKVLAAQGG EYSEAIPIRL AALKLEPSNK TIHAELSKLV KKHAAQRSTE TALYRKMLGN PSRLPAKCPG KGAWSIPWKW LFGATAVALG GVALSVVIAA RN <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 isoform, please contact us regarding an individual offer.

## Product Details

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### 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.

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### Purity:

> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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### Grade:

custom-made

## Target Details

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### Target:

FKBP8

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### Alternative Name:

FKBP8 ([FKBP8 Products](#))

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### Background:

Peptidyl-prolyl cis-trans isomerase FKBP8 (PPIase FKBP8) (EC 5.2.1.8) (38 kDa FK506-binding protein) (38 kDa FKBP) (FKBP-38) (hFKBP38) (FK506-binding protein 8) (FKBP-8) (FKBPR38) (Rotamase),FUNCTION: Constitutively inactive PPIase, which becomes active when bound to calmodulin and calcium. Seems to act as a chaperone for BCL2, targets it to the mitochondria and modulates its phosphorylation state. The BCL2/FKBP8/calmodulin/calcium complex probably interferes with the binding of BCL2 to its targets. The active form of FKBP8 may therefore play a role in the regulation of apoptosis. Involved in the inhibition of viral infection by influenza A viruses (IAV) (PubMed:28169297). {ECO:0000269|PubMed:12510191, ECO:0000269|PubMed:15757646, ECO:0000269|PubMed:16176796, ECO:0000269|PubMed:28169297}.

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### Molecular Weight:

44.6 kDa

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### UniProt:

[Q14318](#)

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## Target Details

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Pathways: [Autophagy](#)

## 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

## 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