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Datasheet for ABIN7562324
FKBP8 Protein (AA 1-402) (His tag)

Overview

| | |
|-------------------------------|--|
| Quantity: | 1 mg |
| Target: | FKBP8 |
| Protein Characteristics: | AA 1-402 |
| Origin: | Mouse |
| 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: | MASWAEPSEP AALRLPGAPL LEGFEVLDGV DDAEEEDDLS GLPPLEDMGQ PTVEEAEQPG ALAREFLAAT EPEPAPAPAP EEWLDILGNG LLRMKTLVPG PKGSSRPLKG QVVTVHLQMS LENGTRVQEE PELAFTLGDC DVIQALDLSV PLMDVGETAM VTADSKYCYG PQGRSPYIPP HAALCLEVTL KTAEDGPDLE MLSGQERVAL ANRKRECGNA HYQRADFVLA ANSYDLAIKA ITSNTKVDMT CEEEEELLQL KVKCLNNLAA SQLKLDHYRA ALRSCSQVLE HQPDNIKALF RKGKVLAAQQG EYSEAIPILR AALKLEPSNK TIHAELSKLV KKRAAQRSTE TALYRKMLGN PSRLPAKCPG KGAWSIPWKW LFGATAVALG GVALSVVIAA RN 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. |

Product Details

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:

FKBP8

Alternative Name:

Fkbp8 ([FKBP8 Products](#))

Background:

Peptidyl-prolyl cis-trans isomerase FKBP8 (PPIase FKBP8) (EC 5.2.1.8) (38 kDa FK506-binding protein) (38 kDa FKBP) (FKBP-38) (mFKBP38) (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 (By similarity). Required for normal embryonic development. {ECO:0000250}.

Molecular Weight:

43.5 kDa

UniProt:

[O35465](#)

Pathways:

[Autophagy](#)

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
