

Product Name: FKBP12

Alternate Names: 12 kDa FK506-binding protein; 12kDA FKBP; FKBP-12; Calstabin-1 FK506-binding protein 1A (FKBP-1A); Immunophilin FKBP12; Rotamase

Product Code: TAP-072

FOR RESEARCH USE ONLY (RUO)

Verified Applications / Usage

FKBP12 is active in ternary complex formation assays using recombinant FBXO22 / SKP1 and the degrader molecule SP3CHO.

Physical Characteristics

Species: Human

Predicted MW (kDa): 14 kDa

Source: *E. coli* BL21(DE3) A.I.

Purity: 95 %

Tag: N-AVI (Biotinylated)

Formulation: 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

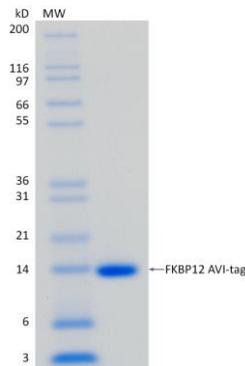
Shipping: The product is shipped with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Stability/Storage: Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store $\leq -70^{\circ}\text{C}$ (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE

Protein ID: Peptidyl-prolyl cis-trans isomerase FKBP1A



2 µg FKBP12 run on 4-12% SDS-PAGE gel under reducing conditions, then visualized with Colloidal Coomassie Blue Stain.

Activity Assay

Background

Description

Peptidyl-prolyl cis-trans isomerase FKBP1A (FKBP12) is a prolyl isomerase and the target of immunosuppressive drugs including rapamycin. Recombinant human FKBP12 contains an N-terminal AVI tag and is biotinylated.

Accession Number: P62942

Entrez Gene ID: FKBP12

Protein Sequence

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SFGLNDIFEAQKIEWHEGSMGVQVETISPGDGRTFPKRGQTCVVHYTGMLEDGKKFDSSRDRN  
KPFKFM LGKQEVIRGWEEGVAQMSVGQRAKLTISPDYAYGATGHPGIIPPHATLVFDVELLKL  
EGSGC
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