

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

Quantity: 100 µg

FOR RESEARCH USE ONLY (RUO)

Storage:

Use a manual defrost freezer and avoid repeated freeze-thaw cycles. Aliquot and store ≤ -70°C (stable for 24 months from date of receipt).

Verified Applications / Usage

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

Physical Characteristics

Species:

Predicted MW (kDa): 14 kDa

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

Purity: 95%

Concentration: 40-50 µM

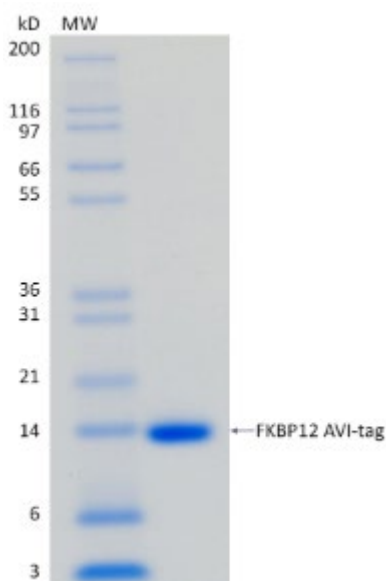
Formulation: 40 mM HEPES, 100 mM NaCl, 10% Glycerol, 1 mM EDTA, 1 mM TCEP, pH 7.6

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 ≤ -70°C (stable for 24 months from date of receipt).

Quality Assurance

Purity & SDS-PAGE



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

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.

Protein Sequence

SFGLNDIFEAQKIEWHEGSMGVQVETISPGDGRTFPKRGQTCVVHYTG
 MLEDGKKFDSSRDRNKPFKFMLGKQEVIRGWEEGVAQMSVGQRAKLT
 SPDYAYGATGHPGIIPPHATLVFDVELLKLEGSGC