

RP00051

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Recombinant Human FKBP1A/FKBP12 Protein

Catalog No.: RP00051

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	2280	P62942

Tags

No tag

Synonyms

FKBP-12; FKBP-1A; FKBP1; FKBP12;
PKC12; PKC12;
PPIASE;FKBP1A;FKBP-1A;FKBP1;FKBP12
;PKC12;PKC12;PPIASE

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

≥ 90 % as determined by SDS-PAGE.

Endotoxin

< 0.1 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 150mM NaCl, pH 8.0. Contact us for customized product form or formulation.

Reconstitution

Background

The protein is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. The protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It interacts with several intracellular signal transduction proteins including type I TGF-beta receptor. It also interacts with multiple intracellular calcium release channels, and coordinates multi-protein complex formation of the tetrameric skeletal muscle ryanodine receptor.

Basic Information

Description

Recombinant Human FKBP1A/FKBP12 Protein is produced by *E. coli* expression system. The target protein is expressed with sequence (Met1-Glu108) of human FKBP12 (Accession #NP_000792.1).

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

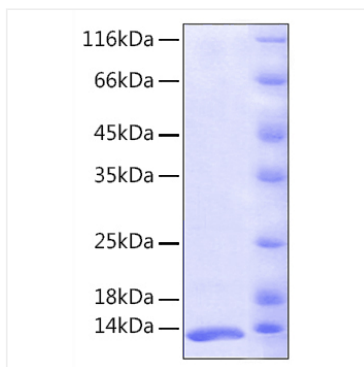
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Contact



www.abclonal.com

Validation Data



Recombinant Human FKBP1A/FKBP12 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.