

Recombinant Human FKBP1A/FKBP12 Protein

Catalog No.: RP00051

Sequence Information

Species **Gene ID**
Human 2280

Swiss Prot **Tags**
P62942 No tag

Synonyms

FKBP-12, FKBP-1A, FKBP1,
FKBP12, PKC12, PKCI2, PPIASE,
FKBP1A,FKBP-1A,FKBP1,FKBP12,
PKC12,PKCI2,PPIASE

Product Information

Source **Purification**
E. coli ≥ 90 % as
determined by
SDS-PAGE.

Calculated MW **Observed MW**
11.95 kDa 14 kDa

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

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.

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).

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.

Storage

Store at –20°C

Operational Notes

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

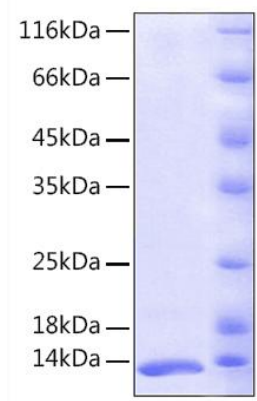
Contact

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Validation Data



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