# Recombinant Human PPIase/FKBP7 Protein (aa 24-222, His Tag)

**Catalog Number:PKSH032878**

***Note:*** Centrifuge before opening to ensure complete recovery of vial contents.

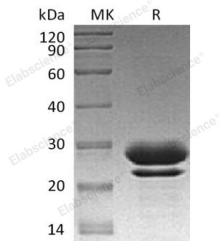
## Description

| | |
|---|---|
| **Synonyms** | Peptidyl-Prolyl Cis-Trans Isomerase FKBP7;PPIase FKBP7;23 kDa FK506-Binding Protein;23 kDa FKBP;FKBP-23;FK506-Binding Protein 7;FKBP-7;Rotamase;FKBP7;FKBP23 |
| **Species** | Human |
| **Expression Host** | HEK293 Cells |
| **Sequence** | Gln24-Leu222 |
| **Accession** | Q9Y680 |
| **Calculated Molecular Weight** | 23.9 kDa |
| **Observed molecular weight** | 25-32 kDa |
| **Tag** | C-His |

## Properties

| | |
|---|---|
| **Purity** | > 95 % as determined by reducing SDS-PAGE. |
| **Endotoxin** | < 1.0 EU per μg of the protein as determined by the LAL method. |
| **Storage** | Store at < -20°C, stable for 6 months. Please minimize freeze-thaw cycles. |
| **Shipping** | This product is provided as liquid. It is shipped at frozen temperature with blue ice/gel packs. Upon receipt, store it immediately at < - 20°C. |
| **Formulation** | Supplied as a 0.2 μm filtered solution of 20mM Tris-HCl, 150mM NaCl, 1mM $CaCl_2$, 10% Glycerol, pH 7.5. |
| **Reconstitution** | Not Applicable |

## Data




> 95 % as determined by reducing SDS-PAGE.

## Background

Peptidyl-Prolyl Cis-Trans Isomerase FKBP7 (FKBP7) is a member of the FKBP-type peptidyl-prolyl cis/trans isomerase (PPIase) family. FKBP7 contains two EF-hand domains and one PPIase FKBP-type domain. FKBP7 exhibits PPIase activity and function as molecular chaperones. In addition, FKBP7 accelerates the folding of proteins during protein synthesis. It has been shown that Hsp90 complex to the nucleus bind its PPIase domain to cytoplasmic dynein, the motor protein responsible for retrograde movement along microtubules.

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