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

Catalog Number: PKSH032878

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

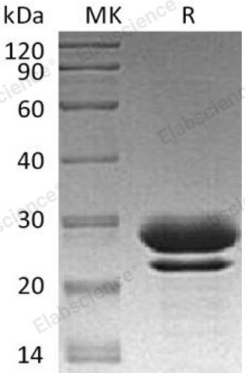
Description

Species	Human
Source	HEK293 Cells-derived Human PPIase;FKBP7 protein Gln24-Leu222, with an C-terminal His
Calculated MW	23.9 kDa
Observed MW	25-32 kDa
Accession	Q9Y680
Bio-activity	Not validated for activity

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Concentration	Subject to label value.
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.

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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