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Datasheet for ABIN7317273 FKBP7 Protein (Fc Tag)

Overview

Quantity:	100 µg
Target:	FKBP7
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP7 protein is labelled with Fc Tag.

Product Details

Purpose:	Recombinant Human PPlase/FKBP7 Protein (Fc Tag)
Sequence:	Met 1-Gln218
Characteristics:	A DNA sequence encoding the human FKBP7 (Q9Y680-2) (Met1-Gln218) was expressed, fused with the Fc region of human IgG1 at the C-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	FKBP7
Alternative Name:	PPlase/FKBP7 (FKBP7 Products)
Background:	Background: PPlase is a member of the immunophilin protein family. It also belongs to the cyclophilin-type PPlase family, PPIL3 subfamily. PPlase contains 1 PPlase cyclophilin-type domain. Members of the immunophilin protein family play a role in immunoregulation and basic

Target Details

cellular processes involving protein folding and trafficking. PPlases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides. It has a very high substrate specificity for the four-residue peptide Ala-Ala-Pro-Phe only when the proline peptide bond is in the trans state. 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. In mouse, deletion of this homologous gene causes congenital heart disorder known as noncompaction of left ventricular myocardium. Synonym: Peptidyl-Prolyl Cis-Trans Isomerase FKBP7, PPlase FKBP7, 23 kDa FK506-Binding Protein, 23 kDa FKBP, FKBP-23, FK506-Binding Protein 7, FKBP-7, Rotamase, FKBP7, FKBP23

Molecular Weight: 49.4 kDa

Pathways: [SARS-CoV-2 Protein Interactome](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.4

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.