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Datasheet for ABIN7317272 FKBP7 Protein (AA 1-218) (His tag)

Overview

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|-------------------------------|--|
| Quantity: | 100 µg |
| Target: | FKBP7 |
| Protein Characteristics: | AA 1-218 |
| Origin: | Human |
| Source: | HEK-293 Cells |
| Protein Type: | Recombinant |
| Purification tag / Conjugate: | This FKBP7 protein is labelled with His tag. |

Product Details

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| Purpose: | Recombinant Human PPlase/FKBP7 Protein (aa 1-218, His Tag) |
| Sequence: | Met 1-Gln218 |
| Characteristics: | A DNA sequence encoding the human FKBP7 (Q9Y680-2) (Met1-Gln218) was expressed with a polyhistidine tag at the C-terminus. |
| Purity: | (84.2±12.5) % as determined by reducing SDS-PAGE. |
| Endotoxin Level: | < 1.0 EU per µg of the protein as determined by the LAL method. |

Target Details

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|-------------------|---|
| Target: | FKBP7 |
| Alternative Name: | PPlase/FKBP7 (FKBP7 Products) |
| Background: | Background: PPlase is a member of the immunophilin protein family. It also belongs to the |

Target Details

cyclophilin-type PPIase family, PPIL3 subfamily. PPIase contains 1 PPIase cyclophilin-type domain. Members of the immunophilin protein family play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. PPIases 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, PPIase FKBP7, 23 kDa FK506-Binding Protein, 23 kDa FKBP, FKBP-23, FK506-Binding Protein 7, FKBP-7, Rotamase, FKBP7, FKBP23

Molecular Weight: 23.8 kDa

UniProt: [Q9Y3C6](#)

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.