

Recombinant Human FKBP7, His-tagged

Cat. No. FKBP7-173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Peptidyl-Prolyl Cis-Trans Isomerase FKBP7/FKBP7 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln24-Leu222) of Human FKBP7 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	24-222 a.a.
Description	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.
AA Sequence	QRQKKEESTEEVKIEVLHRPENCSKTSKKGDLLNAHYDGYLAKDGSKFYCSRTQNE GHPKWFLVG VGQVIKGLDIAMTDMCPGEKRKVVIPPSFAYGKEGYAEGKIPPDATLI FEIELYAVTKGPRSIET FKQIDMDNDRQLSKAEINLYLQREFEKDEKPRDKSYQDAVL EDIFKKNDHHDGDFISPKEYNVYQ HDELVDHHHHHH
Endotoxin	Less than 0.1

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ng/μg (1 IEU/μg).

Purity

Greater than 95% as determined by reducing SDS-PAGE.

GENE INFORMATION

Gene Name

FKBP7 FK506 binding protein 7 [Homo sapiens]

Official Symbol

FKBP7

Synonyms

FKBP7; FK506 binding protein 7; peptidyl-prolyl cis-trans isomerase FKBP7; FKBP23; FKBP-7; FKBP-23; rotamase; 23 kDa FKBP; PPIase FKBP7; FK506-binding protein 7; FK506-binding protein 23; 23 kDa FK506-binding protein; PPIase; MGC9420;

Gene ID

51661

mRNA Refseq

NM_001135212

Protein Refseq

NP_001128684

MIM

607062

UniProt ID

Q9Y680

**Chromosome
Location**

2q31.2

Function

FK506 binding; calcium ion binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;

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