

## Human Recombinant FKBP14

<b>CATALOG #:</b>	6354-100	100 µg
<b>ALTERNATE NAMES:</b>	Peptidyl-prolyl cis-trans isomerase FKBP14, FKBP22.	
<b>SOURCE:</b>	E.Coli	
<b>PURITY:</b>	> 90% by SDS - PAGE	
<b>MOL. WEIGHT:</b>	24.2 kDa (213 aa, 20-211 aa + NT His Tag)	
<b>FORMULATION:</b>	1 mg/ml solution in PBS (pH 7.4) containing 10% glycerol.	

### STORAGE CONDITIONS:

Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

### DESCRIPTION:

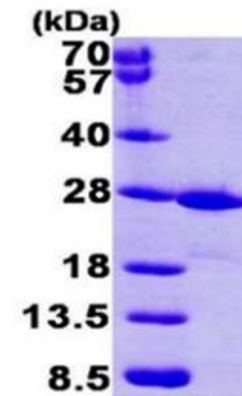
FKBP14 enzyme accelerates the folding of proteins during protein synthesis. It contains 2 EF-hand domains and one PPIase FKBP-type domain. Truncation of the amino-terminus of FKBP14 significantly decreases peptidyl prolyl cis-trans isomerase activity, therefore suggesting that the PPIase FKBP-type domain must be located at the N-terminus.

### AMINO ACID SEQUENCE:

MGSSHHHHHH SGLVPRGSH MALIPEPEVK IEVLQKPFIC HRKTKGGDLM LVHYEGYLEK  
DGSLFHSTHK HNNGQPIWFT LGILEALKGW DQGLKGMCVG EKRKLIIPPA LGYGKEGKGG  
IPPESTLIFN IDLLEIRNGP RSHESFQEMD LNDDWKLSKD EVKAYLKKEF EKHGAVVNES  
HHDALVEDIF DKEDEDKDG F ISAREFTYKH DEL

### BIOLOGICAL ACTIVITY:

Specific activity is > 240 nmoles/min/mg, and is defined as the amount of enzyme that cleaves 1 µmole of Suc-AAFP-pNA per minute at 25°C in Tris HCl pH 8.0 using chymotrypsin



15% SDS-PAGE (3ug)

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### RELATED PRODUCTS:

- FKBP12 Antibody (Cat. No. 3635-100)
- FKBP12 Blocking Peptide (Cat. No. 3635BP-50)
- FKBP38 Antibody (Cat. No. 3666-100)
- FKBP38 Blocking Peptide (Cat. No. 3666BP-50)
- FKBP52/Hsp56 Antibody (Cat. No. 3880-100)
- FKBP52/Hsp56 Blocking Peptide (Cat. No. 3880BP-50)
- Human recombinant FKBP1a (Cat. No. 6340-100)
- Human recombinant FKBP1B (Cat. No. 6341-100)
- Human recombinant FKBP3 (Cat. No. 6342-100)
- Human recombinant FKBP4 (Cat. No. 6343-100)
- Human recombinant FKBP6 (Cat. No. 6344-100)
- Human recombinant FKBP1 (Cat. No. 6345-100)
- Human recombinant FKBP2 (Cat. No. 6353-100)

**FOR RESEARCH USE ONLY! Not to be used in humans.**