

## Human Recombinant FKBP1

<b>CATALOG #:</b>	6345-10	10 µg
<b>ALTERNATE NAMES:</b>	FK506 binding protein like, DIR1, NG7, WISP39.	
<b>SOURCE:</b>	E.Coli	
<b>PURITY:</b>	> 90% by SDS - PAGE	
<b>MOL. WEIGHT:</b>	39.2 kDa (357 aa, 1-349 aa + CT His Tag)	
<b>FORMULATION:</b>	0.25 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 2 mM DTT, 20% glycerol, 1 mM EDTA and 100 mM NaCl.	

### 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:

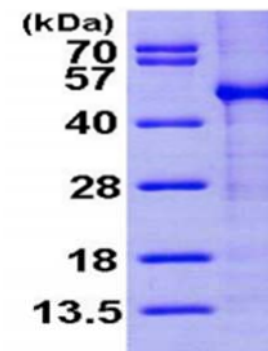
FKBP1 is related to the immunophilin protein family, which take part in immunoregulation and regular cellular processes involving protein folding and trafficking. FKBP1 has an important function in the induced radio resistance and participates in the control of the cell cycle. FKBP1 has a role in cellular response to stress. FKBP1 interacts with Hsp90, glucocorticoid receptor and dynamitin and is involved in signaling, like other FKBP1s.

### AMINO ACID SEQUENCE:

METPPVNTIG EKDTSQPQQE WEKNLRENLD SVIQRQQPR DPPTETLELE VSPDPASQIL  
 EHTQGAELKV AELEGDSHKS HGSTSMPEA LQASDLWYCP DGSFVKKIVI  
 RGHGLDKPKL GSCCRVLALG FPFSGPPEG WTELTMGVGP WREETWGELI  
 EKCLESMCQG EEAELQLPGH SGPPVRLTLA SFTQGRDSWE LETSEKEALA  
 REERARGTEL FRAGNPEGAA RYGRALRLL LTLPPPGPPE RTVLHANLAA CQLLLGQPQL  
 AAQSCDRVLE REPGLKALY RRGVAQAALG NLEKATADLK KVLAIKPKNR AAQEELGKVV  
 IQGKNQDAGL AQGLRKMFGLE EHHHHHHH

### BIOLOGICAL ACTIVITY:

Specific activity is > 210 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 (3µg)

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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)

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