

**RPE645Hu01 100µg**  
**FK506 Binding Protein 5 (FKBP5)**  
**Organism: Homo sapiens (Human)**  
***Instruction manual***

FOR IN VITRO USE AND RESEARCH USE ONLY  
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

9th Edition (Revised in Jul, 2013)

## **[ PROPERTIES ]**

**Residues:** Thr2~Val457 (Accession # Q13451),  
with two N-terminal Tags, His-tag and GST-tag.

**Host:** *E. coli*

**Subcellular Location:** Cytoplasm. Nucleus.

**Purity:** >95%

**Endotoxin Level:** <1.0EU per 1µg  
(determined by the LAL method).

**Formulation:** Supplied as lyophilized form in PBS,  
pH7.4, containing 5% sucrose, 0.01% sarcosyl.

**Predicted isoelectric point:** 6.0

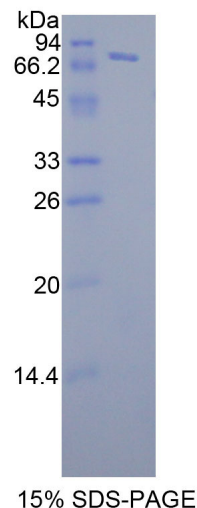
**Predicted Molecular Mass:** 78.1kDa

**Applications:** SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)

## **[ USAGE ]**

Reconstitute in sterile PBS, pH7.2-pH7.4.



## [ **STORAGE AND STABILITY** ]

### **Storage: Avoid repeated freeze/thaw cycles.**

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

**Stability Test:** The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

## [ **SEQUENCES** ]

The target protein is fused with two N-terminal Tags, His-tag and GST-tag, its sequence is listed below.

MSPILGYWKI KGLVQPTRL L LEYLEEKYEE HLYERDEGDK WRNKKFELGL EFPNLPYYID  
GDVKLTQSMA IIRYIADKHN MLGGCPKERA EISMLEGAVL DIRYGVSR IA YSKDFETLKV  
DFLSKLPEML KMFEDRLCHK TYLNGDHVTH PDFMLYDALD VVLYMDPMCL DAFPKLVCFK  
KRIEAIQID KYLKSSKYIA WPLQGWQATF GGGDHPPKSD GSTSGSGHHH HHHSAGLVPR  
GSTAIGMKET AAKFERQHM DSPDLGTLEV LFQGPLGSEF-TTDEGAKNN EESPTATVAE  
QGEDITSKKD RGVLKIVKRV GNGEETPMIG DKVYVHYKGK LSNKKFDSS HDRNEPFVFS  
LGKGQVIKAW DIGVATMKKG EICHLLCKPE YAYGSAGSLP KIPSNATLFF EIELLDFKGE  
DLFEDGGIIR RTKRKGEGYS NPNEGATVEI HLEGRCGGRM FDCRDVAFTV GEGEDHDIPI  
GIDKALEKMQ REEQCILYLG PRYGFGEAGK PKFGIEPNAELIYEVTLSKSF EKAKESWEMD  
TKEKLEQAAI VKEKGTVYFK GGKYMQAVIQ YGKIVSWLEM EYGLSEKESK ASSESFLA AF  
LNLAMCYLKL REYTKAVECC DKALGLDSAN EKGLYRRGEA QLLMNEFESA KGDFEKVLEV  
NPQNKAARLQ ISMCQKKAKE HNERDRRIYA NMFKKFAEQD AKEEANKAMG KKTSEGV TNE  
KGTDSQAMEE EKPEGHV