Recombinant Human FKBP5 293 Cell Lysate

Cat. No. FKBP5-6204HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for FK506 binding protein 5 (FKBP5), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC210608, OriGene Technologies, Inc.) and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	FKBP5 FK506 binding protein 5 [Homo sapiens]
Official Symbol	FKBP5
Synonyms	FKBP5; FK506 binding protein 5; peptidyl-prolyl cis-trans isomerase FKBP5; FKBP51; FKBP54; P54; PPIase; Ptg 10; FKBP-5; FKBP-51; rotamase; 51 kDa FKBP; FF1 antigen; PPIase FKBP5; HSP90-binding immunophilin; T-cell FK506-binding protein; androgen-regulated protein 6; 51 kDa FK506-binding protein 5; peptidylprolyl cis-trans isomerase; 54 kDa progesterone receptor-associated immunophilin; AIG6; Ptg-10; MGC111006;
Gene ID	2289
mRNA Refseq	NM_001145775
Protein Refseq	NP_001139247
MIM	602623
UniProt ID	Q13451
Chromosome Location	6p21.31
Pathway	Glucocorticoid receptor regulatory network, organism-specific biosystem; TNF-

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	alpha/NF-kB Signaling Pathway, organism-specific biosystem;
Function	FK506 binding; binding; heat shock protein binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity;

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