

Recombinant Human FKBP4 293 Cell Lysate

Cat. No. FKBP4-6205HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for FK506 binding protein 4, 59kDa (FKBP4) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	FKBP4 FK506 binding protein 4, 59kDa [Homo sapiens]
Official Symbol	FKBP4
Synonyms	FKBP4; FK506 binding protein 4, 59kDa; FK506 binding protein 4 (59kD); peptidyl-prolyl cis-trans isomerase FKBP4; FKBP52; FKBP59; rotamase; HSP binding immunophilin; 51 kDa FK506-binding protein; FK506-binding protein 4 (59kD); T-cell FK506-binding protein, 59kD; peptidylprolyl cis-trans isomerase; HBI; p52; Hsp56; FKBP51; PPlase;
Gene ID	2288
mRNA Refseq	NM_002014
Protein Refseq	NP_002005
MIM	600611
UniProt ID	Q02790
Chromosome Location	12p13.33
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;
Function	ATP binding; FK506 binding; FK506 binding; GTP binding; glucocorticoid receptor

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binding; heat shock protein binding; isomerase activity; peptidyl-prolyl cis-trans isomerase activity; phosphoprotein binding; protein binding; protein binding, bridging; tau protein binding;

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