

Recombinant Human FKBP5, MYC/DDK-tagged

Cat. No. FKBP5-8372H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human FKBP5, transcript variant 1, fused with MYC/DDK tag at C-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds to the immunosuppressants FK506 and rapamycin. It is thought to mediate calcineurin inhibition. It also interacts functionally with mature hetero-oligomeric progesterone receptor complexes along with the 90 kDa heat shock protein and P23 protein. This gene has been found to have multiple polyadenylation sites. Alternative splicing results in multiple transcript variants.
Form	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	51 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	FKBP5 FK506 binding protein 5 [Homo sapiens]
Official Symbol	FKBP5
Synonyms	P54; AIG6; FKBP51; FKBP54; PPlase; Ptg-10; peptidyl-prolyl cis-trans isomerase FKBP5; 51 kDa FK506-binding protein; 51 kDa FKBP; 54 kDa progesterone receptor-associated immunophilin; FF1 antigen; FKBP-51; HSP90-binding immunophilin; PPlase FKBP5; T-cell FK506-binding protein; androgen-regulated protein 6; peptidylprolyl cis-trans isomerase; rotamase
Gene ID	2289
mRNA Refseq	NM_004117
Protein Refseq	NP_004108
MIM	602623
UniProt ID	Q13451
Chromosome Location	6p21.31
Pathway	Estrogen signaling pathway, organism-specific biosystem; Estrogen signaling pathway, conserved biosystem; Prostate Cancer, organism-specific biosystem
Function	FK506 binding; heat shock protein binding; peptidyl-prolyl cis-trans isomerase activity

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