

Recombinant Full Length Human FKBP5 Protein, GST-tagged

Cat. No. FKBP5-6932HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human full-length FKBP5(1 a.a. - 457 a.a.), fused with GST-tag at N-terminal, was expressed in wheat germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	457 amino acids
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.
Molecular Mass	76.01 kDa
AA Sequence	MTTDEGAKNNEESPTATVAEQGEDITSKKDRGVLKIVKRVGNGEETPMIGDKVYVH YKGKLSNGKKFDSSHDRNE PFVFSLGKGQVIKAWDIGVATMKKGEICHLLCKPEYA YGSAGSLPKIPSNATLFFEIELLDFKGEDLFEDGGIIR RTKRKGEGYSNPNEGATVEI HLEGRCGGRMFDCRDVAFTVGEGEDHDIPIGIDKALEKMQREEQCILYLGPRYGF G EAGKPKFGIEPNAELIYEVTLKSFEKAKESWEMDTKEKLEQAAIVKEKGTVYFKGGK

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YMQAVIQYGKIVSWLEM EYGLSEKESKASESFLLAAFLNLAMCYLKLREYTKAVECC
DKALGLDSANEKGLYRRGEAQLLMNEFESAKGDFE KVLEVNPQNKAARLQISM CQ
KKAKEHNERDRRIYANMFKKFAEQDAKEEANKAMGKKTSEGVTNEKGTDSQAMEE
EKPEGHV

Applications ELISA; WB-Re; AP; Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name FKBP5 FKBP prolyl isomerase 5 [Homo sapiens (human)]

Official Symbol FKBP5

Synonyms

FKBP5; FK506 binding protein 5; P54; AIG6; FKBP51; FKBP54; PPlase; Ptg-10; MGC111006; peptidyl-prolyl cis-trans isomerase FKBP5; FKBP-5; FKBP-51; rotamase; 51 kDa FKBP; FF1 antigen; PPlase 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; EC 5.2.1.8; PPlase FKBP5; OTTHUMP00000016268

Gene ID 2289

mRNA Refseq NM_001145775

Protein Refseq NP_001139247

MIM 602623

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UniProt ID

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