

## Product datasheet for **TP310608M**

### **FKBP51 (FKBP5) (NM\_004117) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human FK506 binding protein 5 (FKBP5), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210608 representing NM_004117 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	<p>MTTDEGAKNNEESPTATVAEQGEDITSKKDRGVLKIVKRVNGEETPMIGDKVYVHYKGKLSNGKKFDSS  HDRNEPFVFSLGKGQVIKAWDIGVATMKKGEICHLCKPEYAYGSAGSLPKIPSNATLFFEIELLDLKG  DLFEDGGIIRRTKRKGEGYSNPNEGATVEIHLEGRCGGRMFDCRDVAFTVGEGEDHDIPIGIDKALEKMQ  REEQCILYLGPRYGFGEAGKPKFGIEPNAELIYEVTLKSEKAKESWEMDTKEKLEQAAIVKEKGTVYFK  GGKYMQAVIQYGKIVSWLEMEYGLSEKESKASESFLLAFLNLAMCYLKLREYTKAVECCDKALGLDSAN  EKGLYRRGEAQLLMNEFESAKGDFEKVLEVPQNKAARLQISMCMQKAKEHNERDRRIYANMFKKFAEQD  AKEEANKAMGKKTSEGVTNEKGTDSQAMEEEKPEGHV</p> <p><b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b></p>
Tag:	C-Myc/DDK
Predicted MW:	51 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_004108</a>



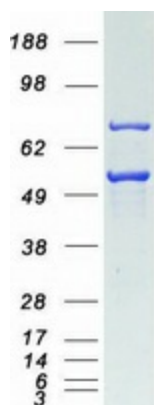
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Locus ID:	2289
UniProt ID:	<a href="#">Q13451</a> , <a href="#">Q2TA84</a>
RefSeq Size:	3781
Cytogenetics:	6p21.31
RefSeq ORF:	1371
Synonyms:	AIG6; FKBP51; FKBP54; P54; PPIase; Ptg-10

**Summary:** 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. [provided by RefSeq, Mar 2009]

**Protein Families:** Druggable Genome

### Product images:



Coomassie blue staining of purified FKBP5 protein (Cat# [TP310608]). The protein was produced from HEK293T cells transfected with FKBP5 cDNA clone (Cat# [RC210608]) using MegaTran 2.0 (Cat# [TT210002]).