

## Product datasheet for PH310608

### FKBP51 (FKBP5) (NM\_004117) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FKBP5 MS Standard C13 and N15-labeled recombinant protein (NP_004108)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210608
Predicted MW:	51 kDa
Protein Sequence:	>RC210608 representing NM_004117 Red=Cloning site Green=Tags(s)

MTTDEGAKNNEESPTATVAEQGEDITSKKDRGVLKIVKRVNGEETPMIGDKVYVHYKGLSNGKKFDSS  
HDRNEPFVFSLGKQVIKAWDIGVATMCKGEICHLLCKPEYAYGSAGSLPKIPSNATLFFEIELLDLKGE  
DLFEDGGIIRRTKRKGEYSNPNEGATVEIHLEGRCGGRMFCRDVAFTVGEDEDHDIPIGIDKALEKMQ  
REEQCILYLGPYGFGEAGKPKFGIEPNAELIYEVTLKSFKAKESWEMDTKEKLEQAAI VKEKGTVYFK  
GGKYMQAIVIYQYKIVSWLEMEYGLSEKESKASESFLLAFLNLAMCYLKLREYTKAVECCDKALGLDSAN  
EKGLYRRGEAQLLMNEFESAKGDFEKLVEVNPQNKAARLQISMCQKKAKEHNERDRRIYANMFKKFAEQD  
AKEEANKAMGKKTSEGVNTEKGTDSQAMEEEKPEGHV

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_004108</u>
RefSeq Size:	3781
RefSeq ORF:	1371
Synonyms:	AIG6; FKBP51; FKBP54; P54; PPIase; Ptg-10



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Locus ID: 2289

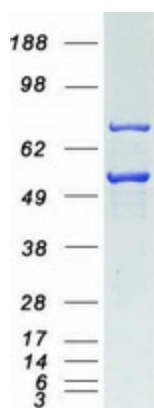
UniProt ID: [Q13451](#), [Q2TA84](#)

Cytogenetics: 6p21.31

**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]).