

Product datasheet for **AR51904PU-S**

FKBP1A / FKBP12 (1-108, His-tag) Mouse Protein

Product data:

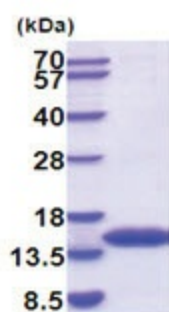
Product Type:	Recombinant Proteins
Description:	FKBP1A / FKBP12 (1-108, His-tag) mouse recombinant protein, 0.1 mg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSHEMGVQVE TISPGDGRTF PKRGQTCVWH YTGMLLEDGKK FDSSRDNRKP FKFTLGKQEV IRGWEEGVAQ MSVGQRAKLI ISSDYAYGAT GHPGIIPPHA TLVFDVELLK LE
Tag:	His-tag
Predicted MW:	14.4 kDa
Concentration:	lot specific
Purity:	>95% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Liquid, In Phosphate buffered saline (pH 7.4) containing 20% glycerol, 1 mM DTT
Preparation:	Liquid purified protein
Protein Description:	Recombinant mouse Fkbp1a, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001289006
Locus ID:	14225
UniProt ID:	P26883
Cytogenetics:	2 G3
Synonyms:	Fkb; Fkbp; Fkbp1; FKBP12



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Summary:

This gene is a member of the immunophilin family. The encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin, and is associated with immunoregulation, protein folding, receptor signaling, protein trafficking and T-cell activation. It may modulate the calcium release activity of the ryanodine receptor Ryr1. It also interacts with the type I TGF-beta receptor. Disruption of this gene in mouse causes severe ventricular defects. Pseudogenes of this gene have been defined on chromosomes 4, 10, 14, and 16. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2014]

Product images:

15% SDS-PAGE (3ug)