OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for AR50091PU-S

FKBP1B / FKBP9 (1-108, His-tag) Human Protein

Product data:

Product Type:	Recombinant Proteins
Description:	FKBP1B / FKBP9 (1-108, His-tag) human recombinant protein, 0.1 mg
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH RSMGVEIETI SPGDGRTFPK KGQTCVVHYT GMLQNGKKFD SSRDRNKPFK FRIGKQEVIK GFEEGAAQMS LGQRAKLTCT PDVAYGATGH PGVIPPNATL IFDVELLNLE
Tag:	His-tag
Predicted MW:	14.2 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT
Bioactivity:	Specific: Specific activity is > 800 nmol/min/mg, and is defined as the amount of enzyme cleaves 1nmole of suc-AAPF-PNA per minute at 37°C in Tris-HCl pH 8.0 using chymotrypsin.
Preparation:	Liquid purified protein
Applications:	Protocol: 1. Prepare 170ul assay buffer into a suitable container and pre-chill on ice before use: The final concentrations are 200 mM Tris-Hcl, pH 8.0, and 20nM chymotrypsin. 2. Add 10ul of recombinant FKBP1B protein with 1ug in assay buffer. 3. Mix by inversion and equilibrate to 1C and monitor the A405nm until the value is constant using a spectrophotometer. 4. Add 20ul pre-chilled 5mM suc-AAFP-pNA. (Substrate was dissolved in TFE that contained 460mM LiCl to a concentration of 3 mM) 5. Record the increase in A405 nm for 30 minutes at 25C.
Protein Description:	Recombinant human FKBP1B protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography.
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.

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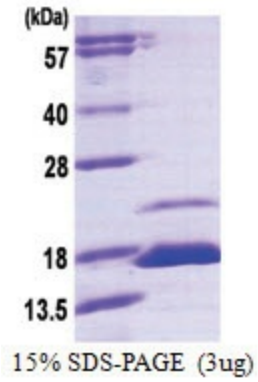
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001309892
Locus ID:	2281
UniProt ID:	F8W6G9
Cytogenetics:	2p23.3
Synonyms:	FKBP1L; FKBP12.6; OTK4; PKBP1L; PPIase
Summary:	The protein encoded by this gene is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This encoded protein is a cis-trans prolyl isomerase that binds the immunosuppressants FK506 and rapamycin. It is highly similar to the FK506-binding protein 1A. Its physiological role is thought to be in excitation-contraction coupling in cardiac muscle. There are two alternatively spliced transcript variants of this gene encoding different isoforms. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome

Product images:



15% SDS-PAGE (3ug)

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