Datasheet for ABIN7479235

FKBP1A Protein (AA 2-103, partial) (GST tag)

1 Image

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Overview

Quantity:	100 µg
Target:	FKBP1A
Protein Characteristics:	AA 2-103, partial
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP1A protein is labelled with GST tag.
Application:	ELISA

Product Details

Sequence:	GVQVETISPG DGRTFPKRGQ TCVVHYTGML EDGKKFDSSR DRNKPFKFML GKQEVIRGWE EGVAQMSVGQ RAKLTISPDY AYGATGHPGI IPPHATLVFD VE
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.
Purity:	95 %

Target Details

Target:	FKBP1A
Alternative Name:	Peptidyl-prolyl cis-trans isomerase FKBP1A protein (FKBP1A Products)
Background:	May play a role in modulation of ryanodine receptor isoform-1 (RYR-1), a component of the calcium release channel of skeletal muscle sarcoplasmic reticulum. There are four molecules

Target Details

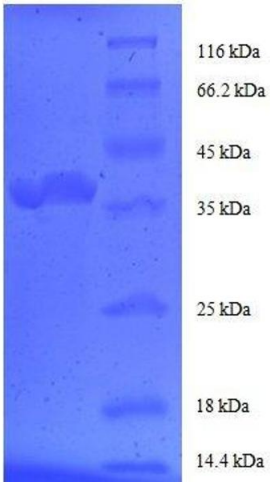
	of FKBP12 per skeletal muscle RYR. PPIases accelerate the folding of proteins. It catalyzes the cis-trans isomerization of proline imidic peptide bonds in oligopeptides.
Molecular Weight:	38.6 kD
UniProt:	P62942
Pathways:	Negative Regulation of Transporter Activity, Methionine Biosynthetic Process

Application Details

Comment:	The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modificated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Concentration:	0.2-2 mg/mL
Buffer:	Tris-based buffer, 50 % glycerol
Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C for extended storage, conserve at -20 °C or -80 °C



SDS-PAGE

Image 1. FK506 Binding Protein 1A, 12kDa (FKBP1A) (AA 2-103), (partial) protein (GST tag)

