Datasheet for ABIN935093

FKBP3 Protein (AA 1-224)

1 Image

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Overview

Quantity:	100 µg
Target:	FKBP3
Protein Characteristics:	AA 1-224
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MAAAVPQRAW TVEQLRSEQL PKKDIIKFLQ EHGSDSFLAE HKLLGNIKNV AKTANKDHLV TAYNHLFETK RFKGTESISK VSEQVKNVKL NEDKPKETKS EETLDEGPPK YTKSVLKKGD KTNFPKKGDV VHCWYTGTLQ DGTVFDTNIQ TSAKKKKNAK PLSFKVGVGK VIRGWDEALL TMSKGEKARL EIEPEWAYGK KGQPDAKIPP NAKLTFEVEL VDID
Characteristics:	Purified recombinant Human FKBP3 protein Expression System: E.coli Bioactivity: Specific activity is > 120 nM/min/µg, and is defined as the amount of enzyme that cleaves 1uM of suc-AAFP-pNA per minute at 1 °C in Tris-Hcl pH 8.0 using chymotrypsin.
Purity:	> 90 % pure

Target Details

Target:	FKBP3
Alternative Name:	FKBP3 (FKBP3 Products)
Background:	FK506 binding protein 3 (FKBP3), also known as FKBP25, is a member of the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. FKBP3 associates with transcriptional repressor protein YY1 and histone deaceltylases, HDAC1 and HDAC2. Also, FKBP3 may contain several casein kinase II phosphorylation sites, which are believed to be important for cell growth regulation. It is localized in the nucleus and is expressed in the brain, testis, ovary, and spleen. Recombinant human FKBP3 was expressed in E. coli and purified by using conventional chromatography techniques. Alternative Names: PPIase protein, FK506 binding protein 3 FKBP 25 protein, FKBP-3 protein, FKBP3, PPIase FKBP3 protein, FKBP-3, Rotamase protein, Rotamase., FKBP25 protein, FKBP 3, FKBP 3 protein, FKBP 3 protein
Molecular Weight:	25.1 kDa (224 AA)

Application Details

Application Notes:	FKBP3 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.
Assay Procedure:	1. Prepare assay buffer in a suitable container and pre-chill on ice before use: The final concentrations are 35 mM Tris, pH 8.0, 1 µM suc-AAFP-pNA). 2. Add recombinant FKBP3 protein with various concentrations (1 µg, 1 µg, 1 µg) in assay buffer. 3. Mix by inversion and equilibrate to 1 °C and monitor the A410 nm until the value is constant using a spectrophotometer. 4. Add pre-chilled chymotrypsin to 12.5 µM and mix immediately. 5. Record the increase in A410 nm for 20 minutes
Restrictions:	For Research Use only

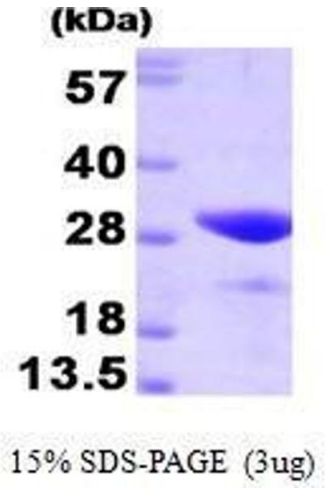
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	Supplied as a liquid in 20 mM Tris-HCl buffer, pH 8.0, containing 0 mM DTT and 10 % glycerol.

Handling

Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze/thaw cycles.
Storage:	RT/-20 °C
Storage Comment:	Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or - 70 °C for long term storage.

Images



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.