Datasheet for ABIN7317354

FKBP3 Protein (GST tag)

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Overview

Quantity:	100 µg
Target:	FKBP3
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP3 protein is labelled with GST tag.

Product Details

Purpose:	Recombinant Human FKBP3/FKBP25 Protein (GST Tag)
Sequence:	Ala 2-Asp 224
Characteristics:	A DNA sequence encoding the human FKBP3 (Q00688) (Ala 2-Asp 224) was fused with the GST tag at the N-terminus.
Purity:	> 90 % as determined by reducing SDS-PAGE.

Target Details

Target:	FKBP3
Alternative Name:	FKBP3/FKBP25 (FKBP3 Products)
Background:	Background: BLBP, also known as FABP7, is a brain fatty acid binding protein. Fatty acid binding proteins (FABPs) are a family of small, highly conserved, cytoplasmic proteins that bind long-chain fatty acids and other hydrophobic ligands. FABP7 binds DHA with the highest affinity among all of the FABPs. FABPs may play roles in fatty acid uptake, transport, and metabolism.

Target Details

	BLBP is expressed, during development, in radial glia by the activation of notch receptors. It was shown that reelin induces FABP7 expression in neural progenitor cells via notch-1 activation. BLBP variation is linked to weak prepulse inhibition(PPI) in mice and deficit in PPI is an endophenotypic trait observed in schizophrenia patients and their relatives. Synonym: Peptidyl-prolyl cis-trans isomerase FKBP3,PPIase FKBP3,25 kDa FK506-binding protein,25 kDa FKBP,FKBP-25,FK506-binding protein 3,FKBP-3,Immunophilin FKBP25,Rapamycin-selective 25 kDa immunophilin,Rotamase,FKBP25
Molecular Weight:	52 kDa
UniProt:	Q00688

Application Details

Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from sterile 50 mM tris, 0.15M NaCl, 0.5 mM GSH, pH 8.0
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.