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Datasheet for ABIN2115464 FKBP3 Protein (AA 1-224) (His tag)

Overview

Quantity:	50 µg
Target:	FKBP3
Protein Characteristics:	AA 1-224
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This FKBP3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Peptidyl-Prolyl Cis-Trans Isomerase FKBP3 (N-6His)
Sequence:	MGSSHHHHHH SSSLVPRGSH MAAAVPQRAW TVEQLRSEQL PKKDIKFLQ EHGSDSFLAE HKLLGNIKNV AKTANKDHLV TAYNHLFETK RFKGTESISK VSEQVKNVKL NEDKPKETKS EETLDEGPPK YTKSVLKKGD KTNFPKKGDV VHCWYTGTLQ DGTVFDTNIQ TSAKKKKNAK PLSFKVGVGK VIRGWDEALL TMSKGEKARL EIEPEWAYGK KGQPDAKIPP NAKLTFEVEL VDID
Characteristics:	Recombinant Human Peptidyl-prolyl cis-trans isomerase FKBP3 is produced with our E. coli expression system. The target protein is expressed with sequence (Met1-Asp224) of Human FKBP3/FKBP25 fused with a 6His tag at the N-terminus..
Purity:	> 95 % as determined by reducing SDS-PAGE.
Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	FKBP3
Alternative Name:	Peptidyl-Prolyl Cis-Trans Isomerase FKBP3 (FKBP3 Products)
Background:	<p>FKBP3 contains 1 PPIase FKBP-type domain, belongs to the FKBP-type PPIase family. FK506- and rapamycin-binding proteins (FKBPs) constitute a family of receptors for the two immunosuppressants which inhibit T-cell proliferation by arresting two distinct cytoplasmic signal transmission pathways. FKBP3 is a cis-trans prolyl isomerase enzyme that binds the immunosuppressants FK506 and rapamycin, as well as histone deacetylases, the transcription factor YY1, casein kinase II, and nucleolin. It has a higher affinity for rapamycin than for FK506 and thus may be an important target molecule for immunosuppression by rapamycin.</p> <p>Synonyms: 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</p>
Molecular Weight:	27.3 kDa
UniProt:	Q00688

Application Details

Restrictions:	For Research Use only
Handling	
Format:	Liquid
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Supplied as a 0.2 µm filtered solution of 20 mM TrisHCl,1 mM DTT,10 % glycerol .
Preservative:	Dithiothreitol (DTT)
Precaution of Use:	This product contains Dithiothreitol (DTT): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	-80 °C
Storage Comment:	<p>Store at < -20°C, stable for 6 months after receipt.</p> <p>Please minimize freeze-thaw cycles.</p>

Handling

Expiry Date: 6 months