

Recombinant human FKBPL protein

Catalog Number: ATGP0623

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-349aa

UniProt No.

Q9UIM3

NCBI Accession No.

NP_071393

Alternative Names

DIR1, FK506 binding protein like, FKBP prolyl isomerase like, NG7, WAF-1/CIP1 stabilizing protein 39, WISP39

PRODUCT SPECIFICATION

Molecular Weight

39.2 kDa (357aa) confirmed by MALDI-TOF

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 2mM DTT, 100mM NaCl

Purity

> 90% by SDS-PAGE

Biological Activity

Specific activity is > 210nmol/min/mg, and is defined as the amount of enzyme that cleaves 1umole of suc-AAFP-pNA per minute at 25C in Tris-Hcl pH8.0 using chymotrypsin.

Tag

His-Tag

Application

SDS-PAGE, Enzyme Activity

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

FKBPL has similarity to the immunophilin protein family, which play a role in immunoregulation and basic cellular processes involving protein folding and trafficking. This protein is thought to have a potential role in the induced radioresistance and it appears to have some involvement in the control of the cell cycle. Also, FKBPL is involved

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in cellular response to stress. And it is known to interact with Hsp90, glucocorticoid receptor and dynamin and may play a role in signalling, like other FKBP. Recombinant FKBPL protein, fused to His-tag at C-terminus, was expressed in *E. coli* and purified by using conventional chromatography techniques

Amino acid Sequence

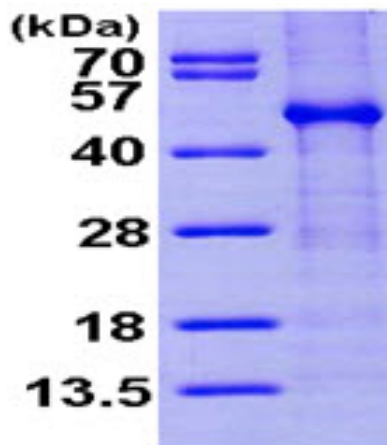
METPPVNTIG EKDTSQPQQE WEKNLRENLD SVIQRQQPR DPPTETLELE VSPDPASQIL EHTQGAEKLV AELEGDSHKS
HGSTSQMPEA LQASDLWYCP DGSFVKKIVI RGHGLDKPKL GSCCRVLALG FPFSGPPEG WTELTMGVGP WREETWGELI
EKCLESQCQG EEAELQLPGH SGPPVRLTLA SFTQGRDSWE LETSEKEALA REERARGTEL FRAGNPEGAA RCYGRALRL
LTLPPPGPPE RTVLHANLAA CQLLLGQPQL AAQSCDRVLE REPGHLKALY RRGVAQAALG NLEKATADLK KVLAIIDPKNR
AAQEELGKVV IQGKNQDAGL AQGLRKMFGF EHHHHHH

General References

McKeen HD., et al. (2008) *Endocrinology* 149: 5724.
Jascur T., et al (2005) *Mol. Cell* 17 (2): 237-49.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)