
Product Data Sheet

Product Name: FKBPL Human
 Cat. No.: GP21633
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	WISP39; DIR1; NG7; FK506-binding protein-like; WAF-1/CIP1 stabilizing protein 39; FKBPL.		
Amino Acid Sequence	METPPVNTIG EKDTSQPQQE WEKNLRENLD SVIQIRQQPR DPPTETLELE VSPDPASQIL EHTQGAEKLV AELEGDSHKS HGSTSQMPEA LQASDLWYCP DGSFVKKIVI RGHGLDKPKL GSCCRVLALG FPFSGPPEG WTELTMGVGP WREETWGELI EKCLES MCQG EEAELQLPGH SGPPVRLTLA SFTQGRDSWE LETSEKEALA REERARGTEL FRAGNPEGAA RCYGRALRLL LTLPPPGPPE RTVLHANLAA CQLLLGQPQL AAQSCDRVLE REPGHLKALY RRGVAQAALG NLEKATADLK KVLAI DPKNR AAQEELGKVV IQGKNQDAGL AQGLRKMFG EHHHHHH.		
Formulation	FKBPL Human solution containing 20mM Tris pH-8, 2mM DTT, 0.1M NaCl & 20% glycerol.		

Introduction

FKBPL is related to the immunophilin protein family, which take part in immunoregulation and regular cellular processes involving protein folding and trafficking. FKBPL has an important function in the induced radioresistance and participates in the control of the cell cycle. FKBPL has a role in cellular response to stress. FKBPL interacts with Hsp90, glucocorticoid receptor and dynamitin and is involved in signalling, like other FKBP.

Biological Activity

Specific activity is > 210 nmoles/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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

FKBPL Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 357 amino acids (1-349 a.a.) and having a molecular mass of 39.2 kDa. The FKBPL is fused to an 8 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

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