
Product Data Sheet

Product Name: PARVA Human
 Cat. No.: GP24127
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Alpha-parvin; Actopaxin; CH-ILKBP; Calponin-like integrin-linked kinase-binding protein; Matrix-remodeling-associated protein 2; PARVA; MXRA2.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMATSPQK SPSVPKSPTP KSPPSRKKDD SFLGKLGGL ARRKKAKEVS ELQEEGMNAI NLPLSPIPFE LDPEDTMLEE NEVRTMVDPN SRSDPKLQEL MKVLIDWIND VLVGERIIVK DLAEDLYDGQ VLQKLFEKLE SEKLNVAEVT QSEIAQKQKL QTVLEKINET LKLPPRSIKW NVDSVHAKSL VAILHLLVAL SQYFRAPIRL PDHVSIVQVV VQKREGILQS RQIQEEITGN TEALSGRHER DAFDTLFDHA PDKLNVVKKT LITFVNKHLN KLNLEVTELE TQFADGVYLV LLMGLLEGYF VPLHSFFLTP DSFEQKVLNV SFAFELMQDG GLEKPKPRPE DIVNCDLKST LRVLYNLFTK YRNVE.		
Formulation	PARVA protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Alpha-parvin (PARVA) belongs to the parvin family of actin-binding proteins. PARVA has a role in the regulation of cell adhesion, cytoskeleton organization, motility and survival as well as in ciliogenesis. Parvins are related with focal contacts and contain calponin homology domains which connect to actin filaments. PARVA is extensively expressed, with the highest levels in heart, skeletal muscle, kidney and liver.

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

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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PARVA Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 395 amino acids (1-372 a.a) and having a molecular mass of 44.6kDa. PARVA is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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