
Product Data Sheet

Product Name: BIN1 Human
 Cat. No.: GP22880
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	AMPH2; AMPHL; MGC10367; SH3P9; Amphiphysin II.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MAEMGSKGVT AGKIASNVQK KLTRAQEKVL QKLGKADETK DEQFEQCVQN FNKQLTEGTR LQKDLRTYLA SVKAMHEASK KLNECLQEVY EPDWPGRDEA NKIAENNDLL WMDYHQKLVD QALLTMDTYL GQFPDIKSRI AKRGRKLDY DSARHHYESL QTAKKKDEAK IAKAEEELIK AQKVFEEEMNV DLQEELPSLW NSRVGFYVNT FQSIAGLEEN FHKEMSKLNQ NLNDVLVBLE KQHGSNTFTV KAQPSDNAPA KGNKSPSPPD GSPAATPEIR VNHEPEPAGG ATPGATLPKS PSQPAAESEV AGGTQPAAGA QEPGETAASE AASSSLPAVV VETFPATVNG TVEGGSGAGR LDLPPGFMFK VQAQHDYTAT DTDELQLRAG DVVLVIPFQN PEEQDEGWLM GVKESDWNQH KELEKCRGVF PENFTEVP.		
Formulation	BIN1 protein solution (1mg/ml) containing 20mM Tris buffer pH-8, 1mM DTT & 10% glycerol.		

Introduction

BIN1 is a nucleocytoplasmic adaptor protein, one of which was primarily identified as MYC-interacting protein having the characteristics of a tumor suppressor. BIN1 protein interacts with and inhibits the oncogenic activity of the myc oncoprotein that is a key player in many human cancers. The absence of Bin1 contributes to growth deregulation in cancer cells in carcinoma of the breast, colon, lung, cervix, prostate 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.

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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Background

BIN1 Recombinant Human produced in E.Coli is a single, non-glycosylated polypeptide chain containing 459 amino acids (1-439 a.a) and having a molecular mass of 50.4 kDa. The BIN1 is fused to a 20 amino acid His-Tag at N-terminus and purified by proprietary chromatographic techniques.

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