
Product Data Sheet

Product Name: BIN2 Human
 Cat. No.: GP22881
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Bridging Integrator 2; Breast Cancer-Associated Protein 1; Breast Cancer Associated Protein BRAP1; BRAP-1; BRAP1; BIN2.		
Amino Acid Sequence	<p>ADPMRGMPGA RTSSSGASEN HRARGQGGGP QGVGRMAEGK AGGAAGLFAK QVQKKFSRAQ EKV LQKLGKA VETKDERFEQ SASNFYQQQA EGHKLYKDLK NFLSAVKVMH ESSKR VSETL QEIYSSEWDG HEELKAIVWN NDLLWEDYEE KLADQAVRTM EIYVAQFSEI KERIAKRGRK LVDYDSARHH LEAVQNAKKK DEAKTAKAEE EFNKAQTVFE DLNQELLEEL PILYNSRIGC YVTIFQNISN LRDVFYREMS KLNHNLYEVM SKLEKQHSNK VFVVKGLSSS SRRSLVISPP VRTATVSSPL TSPTSPSTLS LKSESESVSA TEDLAPDAAQ GEDNSEIKEL LEEEEIEKEG SEASSSEEDE PLPACNGPAQ AQPSPPTTERRA KSQEEVLPSS TTPSPGGALS PSGQPSSSAT EVVLRTRTAS EGSEQPKKRA SIQRTSAPPS RPPPPRATAS PRPSSGNIPS SPTASGGGSP TSPRASLGTG TASPRTSLEV SPNPEPPEKP VRTPEAKENE NIHNQNPEEL CTSPTLMTSQ VASEPGEAKK MEDKEKDNKL ISANSSEGQD QLQVSMVPEN NNLTAPEPQE EVSTSENPQL HHHHHH</p>		
Formulation	BIN2 protein solution (0.25mg/ml) contains Phosphate buffered saline (pH7.4), 20% glycerol, 1mM DTT and 0.1mM PMSF.		

Introduction

BIN2, also known as Bridging Integrator 2, is a cytoplasmic protein. BIN2 comprises one BAR domain and Interacts with BIN1. BIN2 is highly expressed in some hematopoietic tissues, including peripheral blood, colon, thymus and placenta. BIN2 stimulates cell motility and migration, most likely through its interaction with the cell membrane and with podosome proteins which mediate interaction with the cytoskeleton and likewise modulates membrane curvature & mediates membrane tubulation.

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

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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

BIN2 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain (1-597 a.a.) and fused to a 6 aa His Tag at C-terminus containing a total of 606 amino acids and having a molecular mass of 66.1kDa. BIN2 shows multiple bands between 70-100kDa on SDS-PAGE, reducing conditions and purified by proprietary chromatographic techniques.

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