
Product Data Sheet

Product Name: ABI3 Human
 Cat. No.: GP22667
 Batch No.: 1

Product Data

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	ABI Family Member 3; ABI Gene Family Member 3; New Molecule Including SH3; SSH3BP3; NESH.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMAELQQL QEFEIPTGRE ALRGNHSALL RVADYCEDNY VQATDKRKAL EETMAFTTQA LASVAYQVGN LAGHTLRMLD LQGAALRQVE ARVSTLGQMV NMHMEKVARR EIGTLATVQR LPPGQKVIAP ENLPPLTPYC RRPLNFGCLD DIGHGKDL S TQLSRTGTLS RKSİKAPATP ASATLGRPPR IPEPVHLPVV PDGRLSAASS ASSLASAGSA EGVGGAPTPK GQAAPPAPPL PSSLDPPPPP AAVEVFQRPP TLEELSPPPP DEELPLPLDL PPPPLDGDE LGLPPPPPGF GPDEPSWVPA SYLEKVVTLY PYTSQKDNEL SFSEGTVICV TRRYSDGWCE GVSSEGTGFF PGNYVEPSC		
Formulation	The ABI3 solution contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

ABI gene family member 3 (ABI3) is a member of the ABI family. Members of the ABI family encode proteins which contain a homeobox homology domain, proline rich region and Src-homology 3 (SH3) domain. Abi family members are assumed to negatively regulate cell growth and transformation, including cellular transformation through v-Abi as well controlling as mediate cell motility by regulating actin polymerization in lamellipodia and filopodia. ABI3 impedes ectopic metastasis of tumor cells as well as cell migration, which is accomplished through interaction with p21-activated kinase.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

ABI3 Human Recombinant produced in E. coli is a single polypeptide chain containing 389 amino acids (1-366) and having a molecular mass of 41.4 kDa. ABI3 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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