

Recombinant Human ABI Family, Member 3, His-tagged

Cat. No. ABI3-7165H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human ABI3 protein, fused to His-tag, was expressed in E. coli. MW: 41.4 kDa.
Species	Human
Source	E.coli
ProteinLength	1-366aa
Description	ABI3, also as known as ABI gene family member 3, belongs to the ABI family. This protein is a member of an adaptor protein family. Members of this family encode proteins containing a homeobox homology domain, proline rich region and Src-homology 3 (SH3) domain. The Abi family members are thought to negatively regulate cell growth and transformation, including cellular transformation through v-Abl as well as mediate cell motility by regulating actin polymerization in lamellipodia and filopodia. ABI3 inhibits ectopic metastasis of tumor cells as well as cell migration. This may be accomplished through interaction with p21-activated kinase.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol.
Molecular Mass	41.4 kDa (389aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAELQQL QEFEIPTGRE ALRGNHSALL RVADYCEDNY VQATDKRKAL EETMAFTTQA LASVAYQVGN LAGHTLRMLD LQGAALRQVE ARVSTLGQMV NMHMEKVARR EIGTLATVQR LPPGQKVIAP

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ENLPPLTPYC RRPLNFGCLD DIGHGIKDLS TQLSRTGTLS RKSIKAPATP
 ASATLGRPPR IPEPVHLPVV PDGRLSAASS ASSLASAGSA EGVGGAPTPK
 GQAAPPAPPL PSSLDPPPPP AAVEVFQRPP TLEELSPPPP DEELPLPLDL
 PPPPPLDGDE LGLPPPPPGF GPDEPSWVPA SYLEKVVTLTY PYTSQKDNEL
 SFSEGTVICV TRRYSDGWCE GVSSEGTGFF PGNYVEPSC

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at 4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [ABI3 ABI family, member 3 \[Homo sapiens \]](#)

Official Symbol ABI3

Synonyms ABI3; ABI family, member 3; ABI gene family member 3; NESH; SSH3BP3; ABI gene family, member 3; new molecule including SH3;

Gene ID [51225](#)

mRNA Refseq [NM_001135186](#)

Protein Refseq [NP_001128658](#)

MIM [606363](#)

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UniProt ID	Q9P2A4
Chromosome Location	17q21.3
Function	protein binding;

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