

Recombinant human ABI3 protein

Catalog Number: ATGP1733

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-366aa

UniProt No.

Q9P2A4

NCBI Accession No.

NP_057512

Alternative Names

ABI family member 3, ABI family, member 3, NESH, SSH3BP3

PRODUCT SPECIFICATION

Molecular Weight

41.4 kDa (389aa)

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M urea, 10% glycerol

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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.

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Amino acid Sequence

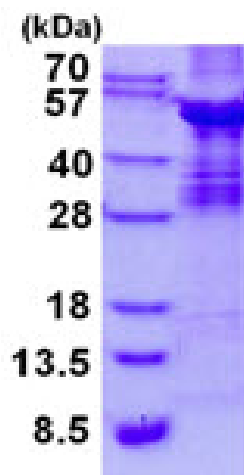
MGSSHHHHHHH SSSLVPRGSH MGSM AELQQL QEFEIPTGRE ALRGNHSALL RVADYCEDNY VQATDKRKAL EETMAFTTQA
LASVAYQVGN LAGHTLRMLD LQGAALRQVE ARVSTLGQMV NMHMEKVARR EIGTLATVQR LPPGQKVIAP ENLPPLTPYC
RRPLNFGCLD DIGHGKIDLS TQLSRTGTL S RKSIAKATP ASATLGRPPR IPEPVHLPV PDGRLSAASS ASSLASAGSA
EGVGGAPTPK GQAAPPAPPL PSSLDPPPPP AAVEVFQRP TLEELSPPPP DEELPLPLDL PPPPLDGDE LGLPPPPPGF
GPDEPSWVPA SYLEKVVTL Y PYTSQKDNE L SFSEGTVICV TRRYSDGWCE GVSSEGTGFF PGNVVEPSC

General References

Ichigotani Y., et al. (2002) *Cancer Res.* 62:2215-2219
Miyazaki K, et al. (2000) *Biochim Biophys Acta* 1493 (1-2): 237-41.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)