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Recombinant human ABI3 protein

Catalog Number: ATGP1733

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-366aa

UniProt No.

09P2A4

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-AbI 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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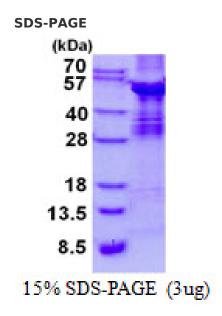
Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSMAELQQL QEFEIPTGRE ALRGNHSALL RVADYCEDNY VQATDKRKAL EETMAFTTQA LASVAYQVGN LAGHTLRMLD LQGAALRQVE ARVSTLGQMV NMHMEKVARR EIGTLATVQR LPPGQKVIAP ENLPPLTPYC RRPLNFGCLD DIGHGIKDLS TQLSRTGTLS RKSIKAPATP ASATLGRPPR IPEPVHLPVV PDGRLSAASS ASSLASAGSA EGVGGAPTPK GQAAPPAPPL PSSLDPPPPP AAVEVFQRPP TLEELSPPPP DEELPLPLDL PPPPPLDGDE LGLPPPPPGF GPDEPSWVPA SYLEKVVTLY PYTSQKDNEL SFSEGTVICV TRRYSDGWCE GVSSEGTGFF PGNYVEPSC

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



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

