

AR50557PU-S**Human ABI3 (1-366, His-tag) - Purified****Alternate names:**

ABI gene family member 3, NESH

Quantity:

20 µg

Concentration:

0.5 mg/ml (determined by Bradford assay)

Background:

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.

Uniprot ID:[Q9P2A4](#)**NCBI:**[NP_057512.1](#)**GeneID:**[51225](#)**Species:**

Human

Source:

E. coli

Format:**State:** Liquid purified protein**Purity:** >85% by SDS - PAGE**Buffer System:** 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M Urea, 10% glycerol**Description:****AA Sequence:**

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

Molecular weight: 41.4 kDa (389aa)**Storage:**

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.

General Readings:

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

Pictures:

