

## AR50557PU-N

## Human ABI3 (1-366, His-tag) - Purified

**Alternate names:**

ABI gene family member 3, NESH

**Quantity:**

0.1 mg

**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 SGLVPRGSH MGSMAELQQL QEFEIPTGRE ALRGNSALL RVADYCEDNY  
VQATDKRKAL EETMAFTTQA LASVAYQVGN LAGHTLRMLD LQGAALRQVE ARVSTLGQMV  
NMHMEKVARR EIGTLATVQR LPPGQKVIAP ENLPPLTPYC RRPLNFGCLD DIGHGKDLIS  
TQLSRTGTLS RKSIAKAPATP ASATLGRPPR IPEPVHLPVV PDGRLSAASS ASSLASAGSA  
EGVGGAPTPK GQAAPPAPPL PSSLDPPPPP AAVEVFQRP TLEELSPPPP DEELPLPLDL  
PPPPPLDGDE LGLPPPPPGF GPDEPSWVPA SYLEKVVTLT PYTSQKDNEL SFSEGTVICV  
TRRYS DGWCE 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:

