

AR51711PU-S

Human ING1 (1-279, His-tag) - Purified

Alternate names:

ING-1, Inhibitor of growth protein 1

Quantity:

0.1 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

ING1 is a tumor suppressor protein that can induce cell growth arrest and apoptosis. This protein is a nuclear protein that physically interacts with the tumor suppressor protein TP53 and is a component of the p53 signaling pathway. Reduced expression and rearrangement of this gene have been detected in various cancers. Multiple alternatively spliced transcript variants encoding distinct isoforms have been reported.

Uniprot ID:

[Q9UK53](#)

NCBI:

[NP_937862](#)

GeneID:

[3621](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol.

Description:

Recombinant human ING1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHH SGLVPRGSH MGSMLSPANG EQLHLVNYVE DYLDIESLP FDLQRNVSLM
REIDAKYQEI LKELDECYER FSRETDGAQK RRMLHCVQRA LIRSQELGDE KIQIVSQMVE
LVENRTRQVD SHVELFEAQQ ELGDTAGNSG KAGADRPKGE AAAQADKPNS KRSRRQRNNE
NRENASSNHD HDDGASGTPK EKKAKTSKKK KRSKAKAERE ASPADLPIDP NEPTYCLCNQ
VSYGEMIGCD NDECPIEFWFH FSCVGLNHKP KGKWYCPKCR GENEKTM DKA LEKSKKERAY NR

Molecular weight: 34.3 kDa (302aa)

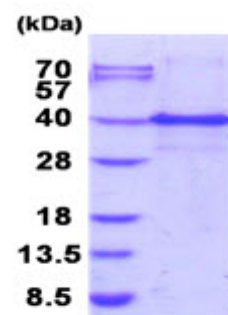
Storage:

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:

Garkavtsev I.A., et al. (1998) Nature 391:295-298. Shi X., et al. (2006) Nature 442:96-99.

Pictures:



15% SDS-PAGE (3ug)