PRODUCT INFORMATION

Expression system E.coli

Domain 1-279aa

UniProt No. Q9UK53

NCBI Accession No. NP_937862

Alternative Names

Inhibitor of growth protein 1, Inhibitor of growth protein 1, p24ING1c, p33, p33ING1, p33ING1b, p47, p47ING1a

PRODUCT SPECIFICATION

Molecular Weight 34.3 kDa (302aa)

Concentration 1mg/ml (determined by Bradford assay)

Formulation

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

Purity

> 90% 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

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



Amino acid Sequence

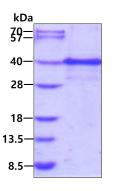
<MGSSHHHHHH SSGLVPRGSH MGS>MLSPANG EQLHLVNYVE DYLDSIESLP FDLQRNVSLM REIDAKYQEI LKELDECYER FSRETDGAQK RRMLHCVQRA LIRSQELGDE KIQIVSQMVE LVENRTRQVD SHVELFEAQQ ELGDTAGNSG KAGADRPKGE AAAQADKPNS KRSRRQRNNE NRENASSNHD HDDGASGTPK EKKAKTSKKK KRSKAKAERE ASPADLPIDP NEPTYCLCNQ VSYGEMIGCD NDECPIEWFH FSCVGLNHKP KGKWYCPKCR GENEKTMDKA LEKSKKERAY NR

General References

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

DATA

SDS-PAGE



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

