

**ING1, 1-279 aa Human, His tag, E.coli**

**Cat.NO.: TP02662**

3th Edition

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

**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.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol

**Molecular Weight:**34.3 kDa (302aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGSMMLSPANGQLHLVNYVEDYLDIESLPPFDLQRNVSLMREIDAKYQEILKELDE  
CYERFSRETDGAQKRRMLHCVQRALIRSQELGDEKIQIVSQMVENVTRQVDSHVELFEAQQELGDTAGNSGK  
AGADRPKGAAAQADKPNKRSRRQRNNENRENASSNHDHDDGASGTPKEKKAKTSKKKKRSKAKAEREASPA  
DLPIDPNEPTYCLCNQVSYGEMIGCDNDECPIEWFHFSCVGLNHKPKGKWYCPKCRGENEKTMDKALEKSKKERA  
YNR

**Purity:**> 95% by HPLC

**Concentration:**1mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.