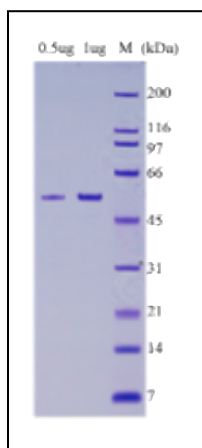


Recombinant p53 Protein

Catalog Number	Size
AG1101-10	10ug
AG1101-25	25ug
AG1101-B	Bulk

Description



The human tumor suppressor protein p53 was expressed in the baculovirus system and purified by the combination of Ni-affinity column and other conventional chromatographic methods. The resulted protein contains 406 amino acids with an 6His tag at the N-terminus. It migrates in SDS-PAGE with an apparent molecular mass of 53kDa.

MHHHHHHGRRASVLEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPPLPS
QAMDDLMLSPDDIEQWFTEDPGPDEAPRMPEAAPVAPAPAAPTPAAPAP
APSWPLSSSVPSQKTYQGSYGFRGLHSGTAKSVTCTYSPALNKMFCQL
AKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTEVVRCPHHERCSDSDG
LAPPQHILIRVEGNLRVEYLDDRNTFRHSVVVPYEPPEVGSDCTTIHYNM
CNSSCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGRRRTEEE
NLRKKGEPHHELPPGSTKRALPNNTSSSPQPKKKPLDGEYFTLQIRGRER
FEMFRELNEALELKDAQAGKEPGGSRAHSSHLKSKKGQSTSRHKKLMFKT
EGPDSD

Accession Number

NM_000546

Molecular Mass

Approximately 53kDa.

Purity

≥90%, as determined by SDS-PAGE.

Biological Activity

The p53 protein is a transcription factor that regulates expression of target genes involved in cell cycle arrest, apoptosis, senescence and DNA repair. The recombinant p53 protein can be used for the studies of transcription assays, protein-protein interactions and other related function assays.

Formulation

20mM Tris-Cl (pH7.9), 20% glycerol 100mM NaCl, 1mM DTT and 1mM EDTA.

Storage

The protein sample can be stored under sterile conditions at 2-8°C for one month or at -20°C to -70°C for three months without detectable loss of activity. **(Avoid repeated freeze-thaw cycle)**

FOR RESEARCH USE ONLY!!!