

Recombinant Human p53 (E. coli)

Catalog Number	Size
AG211-10	10ug
AG211-25	25ug
AG211-B	Bulk

Specifications and Use

Description

Recombinant human p53 produced in E.coli is a single, non-glycosylated, polypeptide chain with a 6His tag at the N-terminus. It contains 412 (19+393) amino acids, and having a predicted molecular mass of approximately 45.8kD, but migrates in SDS-PAGE with an apparent molecular mass of 55kD.

MHHHHHGRRASVEDVVCCSEEPQSDPSVEPPLSQETFSDLWKLLPENNV
 LSPLPSQAMDDLMLSPDDIEQWFTEDPGPDEAPRMPEAAPVAPAPAAPT
 PAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAKSVTCTYSPALN
 KMFCQLAKTCPVQLWVDSTPPPGTRVRAMAIYKQSQHMTEVVRRCPHHER
 CSDSDGLAPPQHLIRVEGNLRVEYLDDRNTFRHSVVVPYEPPEVGS DCTT
 IHYNYMCNSSCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPRGRD
 RRTEENLRKKGEPHELPPGSTKRALPNNTSSSPQPKKKPLDGEYFTLQ
 IRGRERFEMFRELNEALELKDAQAGKEPGGSRAHSSHLKSKKGQSTSRHK
 KLMFKTEGPDS D

Accession Number

NM_000546

Source

E. coli

Molecular Mass

~53kDa

Purity

≥90%, as determined by SDS-PAGE

Biological Activity

Tumor suppressor protein p53 is involved in transcription activation, DNA repair, cell cycle arrest and apoptosis. Recombinant human p53 protein is ideal for the studies of transcriptional activation, protein-protein interactions and other related function assays.

Formulation

10mM HEPES-Na (pH7.9), 150mM NaCl and 3mM EDTA

Storage

The protein sample can be stored under sterile conditions at 2- 8oC for one month or at -70oC for three months without detectable loss of activity.

Avoid repeated freeze-thaw cycles

Special Notes

FOR RESEARCH ONLY