

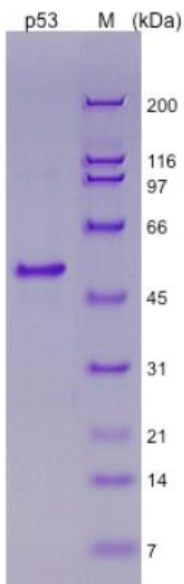
## Recombinant Human p53 (E. coli)

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.



HHHHGRRASVEDVCCSEEPQSDPSVEPPLSQETFSDLWKLLPENNVLSPLPSQAMDD  
LMLSPDDIEQWFTEDPGPDEAPRMPEAAPVAPAPAAAPTFAAPAPAPSWPLSSSVPSQ  
KTYQGSYGFRLGFLHSGTAKSVTCTYSPALNKMFCQLAKTQCPVQLWVDSTPPPGTRVR  
AMAIYKQSQHMTEVVRRCPHHERCSDSDGLAPPQHILIRVEGNLRVEYLDDRNTFRHSV  
VVPYEPPEVGSDCFTTIHNYMCNSSCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRV  
CACPGRRDRRTEENLRKKGEPHHELPPGSTKRALPNNTSSSPQPKKKPLDGEYFTLQI  
RGRERFEMFRELNEALELKDAQAGKEPGGSRAHSSHLKSKKGQSTSRHKKLMFKTEGP  
DSD

#### 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**