

## Recombinant Human p53 (HEK293)

Catalog Number	Size
AG411-20	20ug
AG411-100	100ug
AG411-B	Bulk

### Specifications and Use

#### Description

Recombinant human p53 produced in human HEK293 cells is a single, 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.

MHHHHHHGRRASVEDVVCCSEEPQSDPSVEPPLSQETFSDLWKLLPENNV  
 LSPLPSQAMDDLMLSPDDIEQWFTEDPGPDEAPRMPEAAPPVAPAAPAPT  
 PAAPAPAPSWPLSSSVPSQKTYQGSYGFRLGFLHSGTAKSVTCTYSPALN  
 KMFCQLAKTCPVQLWVDSTPPPGRVVRAMAIYKQSQHMTEVVRRCPHHER  
 CSDSDGLAPPQHLIRVEGNLRVEYLDDRNTFRHSVVVPYEPPEVGS DCTT  
 IHNYMCMNSSCMGGMNRRPILTIITLEDSSGNLLGRNSFEVRVCACPGRD  
 RRTEENLRKKGEPHHELPPGSTKRALPNNTSSSPQPKKKPLDGEYFTLQ  
 IRGRERFEMFRELNEALELKDAQAGKEPGGSRAHSSHLKSKKGQSTSRHK  
 KLMFKTEGPDS

#### Accession Number

NM\_000546

#### Source

HEK293

#### Molecular Mass

~55kDa

#### 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**