

p53 recombinant protein

Recombinant p53 protein

CATALOG #
AAA59699

HOST
E Coli

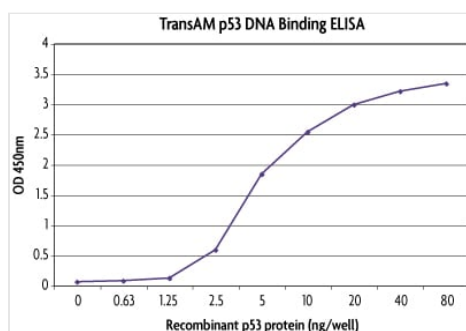
PRODUCT SYNONYMS

p53; Recombinant p53 protein; TP53; BCC7; LFS1; TRP53; p53 recombinant protein

PRODUCT SPECIFICATIONS

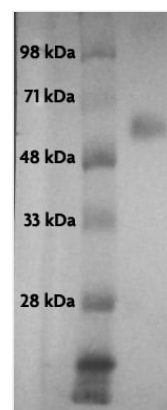
Host	E Coli
Form/Format	10ug recombinant p53 protein supplied in 50mM Tris-HCl, pH8, 200mM NaCl, 5mM beta-mercaptoethanol and 5% glycerol.
Protein Species	Human
Tag	His-Tag
Notes	Recombinant p53 is suitable for use in Our TransAM assay as a protein standard, in vitro transcription assays, protein-protein interactions and protein-DNA interaction studies. A recommended starting point for in vitro transcription assays is 20-100ng per reaction. For larger package sizes of Recombinant p53 protein
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Recombinant proteins in solution are temperature sensitive and must be stored at -80 degree C to prevent degradation. Avoid repeated freeze/thaw cycles and keep on ice when not in storage. Shipping Temp: Dry Ice

IMAGES



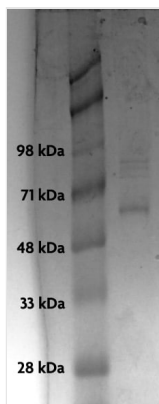
ELISA

TransAM standard curve generated using Recombinant p53 protein, active. The standard curve for TransAM was generated using a range of 80 – 0.625 ng of protein and run on the TransAM p53 ELISA Kit.



WB (Western Blot)

Recombinant p53 protein analyzed by Western blot. Western blot image of 500 ng Recombinant p53 protein, active tested at a 1:5,000 dilution with p53 antibody.



SDS-PAGE

Recombinant p53 protein analyzed by SDS-PAGE gel. SDS-PAGE analysis of 500 ng
Recombinant p53 protein (lane 2) and protein marker (lane 1).

ADDITIONAL INFORMATION

Related Product Information for p53 recombinant protein

Short Description: p53 is a tumor suppressor protein functioning as a sequence-specific transcription factor important for cell cycle arrest, apoptosis, and DNA-damage response. Recombinant p53, transcript variant 1, was expressed in E Coli from human cDNA (accession number NM_000546.5) with an N-terminal His-Tag. We also offers Recombinant p53 protein that was expressed in Baculovirus. p53 is the most important tumor suppressor in the genome. It is responsive to numerous genotoxic stresses, which activates its transcription factor activity, in turn causing cell-cycle arrest by activating expression of p21 Cip/WAF. Mutant p53 that has lost its DNA-binding function interferes with the activity of native p53 and leads to oncogenic transformation. Alternatively, transformation may be caused by overexpression of Mdm2/Hdm2, an ubiquitin ligase specific for p53, which causes its destabilization. Inactivation of p53 is often coincident with hyperactivation of NFkB (NFkB p50 and NFkB p65), both of which serve to inhibit apoptosis. Recombinant p53 can be used in in vitro transcription, DNA- and protein-protein interaction assays.

Background: p53 is the most important tumor suppressor in the genome. It is responsive to numerous genotoxic stresses, which activates its transcription factor activity, in turn causing cell-cycle arrest by activating expression of p21 Cip/WAF. Mutant p53 that has lost its DNA-binding function interferes with the activity of native p53 and leads to oncogenic transformation. Alternatively, transformation may be caused by overexpression of Mdm2/Hdm2, an ubiquitin ligase specific for p53, which causes its destabilization. Inactivation of p53 is often coincident with hyperactivation of NFkB (NFkB p50 and NFkB p65), both of which serve to inhibit apoptosis.

Product Categories/Family for p53 recombinant protein

[Recombinant Proteins](#); [DNA Damage](#); [Transcription](#)

NCBI AND UNIPROT INFORMATION

NCBI GenBank Nucleotide # [NM_000546.5](#)

Molecular Weight 53kDa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/p53-recombinant-protein-e-coli/59699>