

p53 recombinant protein

Recombinant p53 (TP53) protein

CATALOG # AAA60128	HOST Baculovirus
------------------------------	----------------------------

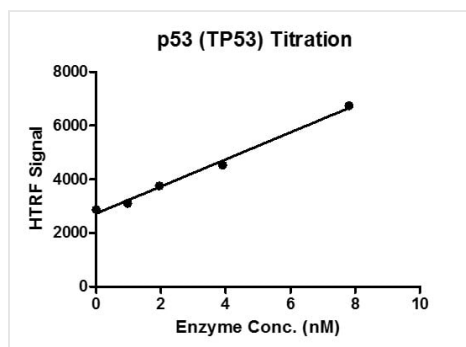
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

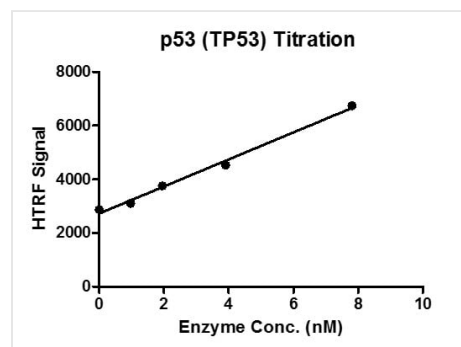
Host	Baculovirus
Form/Format	Recombinant p53 (TP53) protein is supplied in 25mM HEPES-NaOH pH7.5, 300mM NaCl, 10% glycerol, 0.04% Triton X-100 and 0.5mM TCEP.
Protein Species	Human
Tag	DYKDDDDK-Tag
Notes	Recombinant p53 (TP53) protein is suitable for use in the study of protein-protein interaction, in vitro transcription assay, binding assay.
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



Application Data

HTRF assay for p53 (TP53) activity 1 uM oligo ds DNA (sequence: 5'-CCGGACATGCCCGGCATGT-3') was incubated with BSA for 1 hour, then 10 ul DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in binding buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



Application Data

HTRF assay for p53 (TP53) activity 1 uM oligo ds DNA (sequence: 5'-CCGGACATGCCCGGCATGT-3') was incubated with BSA for 1 hour, then 10 ul DYKDDDDK antibody and SA-XL665 mixture (each 1:100 dilution in binding buffer) was added to each reaction system and incubated for 30 min. All the operations and reactions were performed at room temperature. HTRF assay was used for detection.



SDS-PAGE

Recombinant p53 (TP53) protein gel 10% SDS-PAGE Coomassie staining MW: 44.9 kDa
Purity: ? 95%

ADDITIONAL INFORMATION

Related Product Information for p53 recombinant protein	Short Description: Recombinant p53 (TP53) protein was expressed in a baculovirus expression system as the full-length protein (accession number NP_000537.3) with an N-terminal DYKDDDDK tag. The molecular weight of the protein is 44.9 kDa. It is suitable for use in protein-protein interaction studies, in vitro transcription assays and binding assays. Background: p53 (TP53)(Tumor Protein P53), also known as Phosphoprotein P53, Transformation-Related Protein 53 or Antigen NY-CO-13, is a tumor suppressor protein containing transcriptional activation, DNA binding, and oligomerization domains. It involves in cell cycle regulation as a trans-activator that acts to negatively regulate cell division by controlling a set of genes required for this process. p53 induces the transcription of long intergenic non-coding RNA p21 (lincRNA-p21) and lincRNA-Mkn1, thus participating in TP53-dependent transcriptional repression leading to apoptosis and seem to have to effect on cell-cycle regulation. It is required for apoptosis induction, which seems to be mediated either by stimulation of BAX and FAS antigen expression, or by repression of Bcl-2 expression. In cooperation with mitochondrial PPIF, p53 also is involved in activating oxidative stress-induced necrosis, which is largely independent of transcription.
Product Categories/Family for p53 recombinant protein	Recombinant Proteins ; DNA Damage ; Transcription

NCBI AND UNIPROT INFORMATION

NCBI GI #	120407068
NCBI GeneID	7157
NCBI Accession #	NP_000537.3
NCBI GenBank Nucleotide #	NM_000546.5
UniProt Accession #	P04637 ; Q15086 ; Q15087 ; Q15088 ; Q16535 ; Q16807 ; Q16808 ; Q16809 ; Q16810 ; Q16811 ; Q16848 ; Q2XN98
Molecular Weight	43,653 Da
NCBI Official Full Name	cellular tumor antigen p53 isoform a
NCBI Official Synonym Full Names	tumor protein p53
NCBI Official Symbol	TP53
NCBI Official Synonym Symbols	P53; BCC7; LFS1; TRP53
NCBI Protein Information	cellular tumor antigen p53; antigen NY-CO-13; phosphoprotein p53; p53 tumor suppressor; transformation-related protein 53
UniProt Protein Name	Cellular tumor antigen p53

UniProt Gene Name	TP53
UniProt Synonym Gene Names	P53
UniProt Entry Name	P53_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/tp53-recombinant-protein-baculovirus/60128>