



[Go to Product page](#)

Datasheet for ABIN7504498  
**p53 Protein (AA 25-305, Tetramer) (PE)**

### Overview

Quantity:	100 µg
Target:	p53 (TP53)
Protein Characteristics:	AA 25-305, Tetramer
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This p53 protein is labelled with PE.

### Product Details

Purpose:	PE-Labeled Human HLA-A*02:01 & B2M & P53 WT (HMTEVRRRC) Tetramer Protein
Sequence:	Gly25-Thr305 (HLA-A*02:01),Ile21-Met119 (B2M) and HMTEVRRRC peptide
Specificity:	Uni-Prot: A0A140T913 (HLA-A*02:01), P61769 (B2M), HMTEVRRRC
Characteristics:	Recombinant PE-Labeled Human HLA-A*02:01 & B2M & P53 WT (HMTEVRRRC) Tetramer Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. PE-Labeled Human HLA-A*02:01 & B2M & P53 WT (HMTEVRRRC) Tetramer is assembled by biotinylated monomer and PE-labeled streptavidin. It contains Gly25-Thr305(HLA-A*02:01),Ile21-Met119(B2M) and HMTEVRRRC peptide.
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

## Target Details

---

Target:	p53 (TP53)
Alternative Name:	P53 ( <a href="#">TP53 Products</a> )
Background:	<p>P53 is a tumor suppressor protein. Under stressful conditions, p53 tightly regulates cell growth by promoting apoptosis and DNA repair. When p53 becomes mutated, it loses its function, resulting in abnormal cell proliferation and tumor progression. Depending on the p53 mutation, it has been shown to form aggregates leading to negative gain of function of the protein. p53 mutant associated aggregation has been observed in several cancer tissues and has been shown to promote tumor growth.</p>
UniProt:	<a href="#">A0A140T913</a>
Pathways:	<a href="#">p53 Signaling</a> , <a href="#">MAPK Signaling</a> , <a href="#">PI3K-Akt Signaling</a> , <a href="#">Apoptosis</a> , <a href="#">AMPK Signaling</a> , <a href="#">Chromatin Binding</a> , <a href="#">ER-Nucleus Signaling</a> , <a href="#">Positive Regulation of Endopeptidase Activity</a> , <a href="#">Hepatitis C</a> , <a href="#">Protein targeting to Nucleus</a> , <a href="#">Autophagy</a> , <a href="#">Warburg Effect</a>

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Format:	Liquid
Buffer:	Supplied as 0.22µm filtered solution in PBS, 0.2 % BSA ( pH 7.4).
Storage:	-80 °C
Storage Comment:	Valid for 6 months from date of receipt when stored at -80°C.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles and protect from light.
Expiry Date:	12 months