

RP02688

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Recombinant Human P53 R175H (HLA-A*02:01) Complex Protein

Catalog No.: RP02688 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells		A0A140T913 (HLA-A*02:01)&P6 1769(B2M)& HMTEVVRH C

Tags

C-His&Avi

Synonyms

MHC; HLA-A; P53; TP53; Antigen NY-CO-13; BCC7; FLJ92943; LFS1; TRP53

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Endotoxin

< 1 EU/μg of the protein by LAL method.

Formulation

Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact



www.abclonal.com

Background

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.

Basic Information

Description

Recombinant Human P53 R175H (HLA-A*02:01) Complex Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. ; It contains Gly25-Thr305(HLA-A*02:01),Ile21-Met119(B2M) and HMTEVVRHC peptide.

Bio-Activity

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

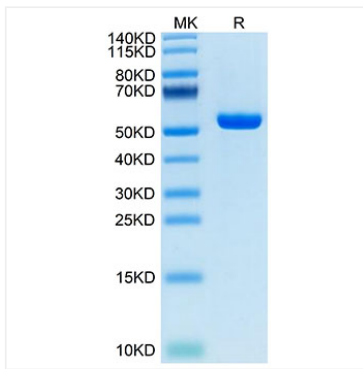
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

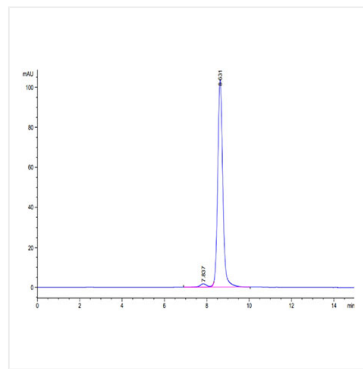
Avoid repeated freeze/thaw cycles.

* For your safety and health, please wear a lab coat and disposable gloves when handling.

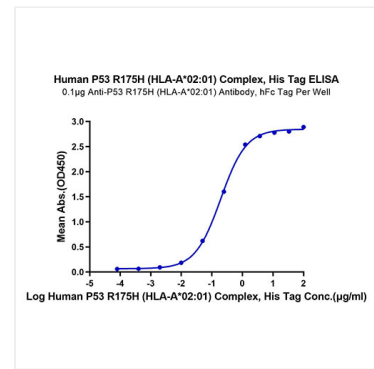
Validation Data



Recombinant Human P53 R175H (HLA-A*02:01) Complex Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human P53 R175H (HLA-A*02:01) is greater than 95% as determined by SEC-HPLC.



Immobilized Anti-P53 R175H (HLA-A*02:01) Antibody, hFc Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Human P53 R175H (HLA-A*02:01) , His Tag with the EC₅₀ of 0.19µg/ml determined by ELISA.