

# Recombinant Human AFP (HLA-A\*02:01) Complex Protein

Catalog No.: RP02693 **Recombinant**

## Sequence Information

<b>Species</b>	<b>Gene ID</b>	<b>Swiss Prot</b>
Human		A0A140T913(HLA-A*02:01)&P61769(B2M)&PLFQVPEPV

### Tags

C-His&Avi

### Synonyms

Alpha-fetoprotein; Alpha-1-fetoprotein; Alpha-feto; AFP; HPAFP; AFPD; FETA; MHC

## Product Information

<b>Source</b>	<b>Purification</b>
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

<b>Calculated MW</b>	<b>Observed MW</b>
50.4 kDa	55-60 kDa

### Endotoxin

Less than 1EU per µg by the 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

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## Background

Alpha-fetoprotein (AFP), a specific liver cancer marker, T cells expressing AFP-CAR selectively degranulated, released cytokines, and lysed liver cancer cells that were HLA-A\*02:01 /AFP while sparing cells from multiple tissue types that were negative for either expressed proteins. CAR T-cell immunotherapy targeting intracellular/secreted solid tumor antigens can elicit a potent antitumor response.

## Basic Information

### Description

Recombinant Human AFP (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 PLFQVPEPV peptide.

### Bio-Activity

### Storage

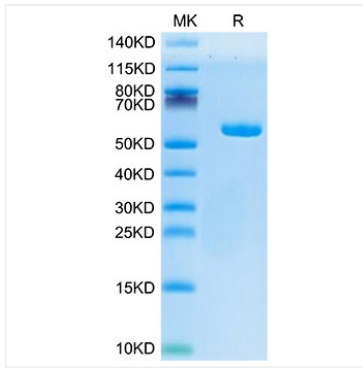
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

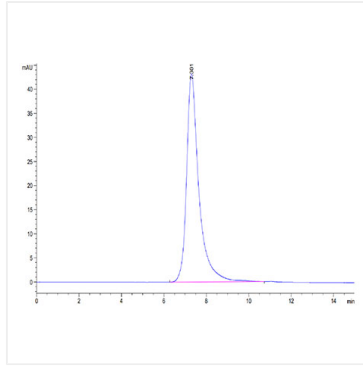
Avoid repeated freeze/thaw cycles.

## Validation Data

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Human AFP (HLA-A\*02:01) on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



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