

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

Catalog No.: RP02693 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
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

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

Calculated MW	Observed MW
50.4 kDa	55-60 kDa

### 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 freeze-thaw cycles.

## 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.

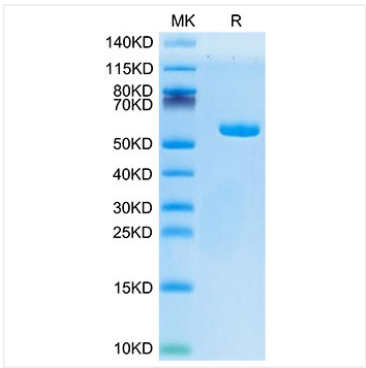
## Contact

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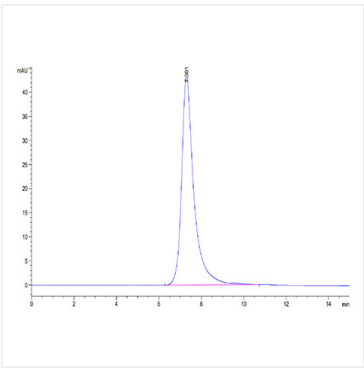
✉ | [cn.market@abclonal.com.cn](mailto:cn.market@abclonal.com.cn)



Validation Data



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



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