

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

Catalog No.: RP02697 **Recombinant**

## Sequence Information

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

### Tags

C-His&Avi

### Synonyms

Survivin; MHC; MHC I; BIRC5; API4; EPR-1; IAP4; survivin variant 3 alpha

## 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>
258 kDa	260-265 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

Survivin (also known as BIRC5) is an evolutionarily conserved eukaryotic protein that is essential for cell division and can inhibit cell death. Normally it is only expressed in actively proliferating cells, but is upregulated in most, if not all cancers; consequently, it has received significant attention as a potential oncotherapeutic target.

## Basic Information

### Description

Recombinant Human Survivin (HLA-A\*02:01) Complex Tetramer Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal, tetramer is assembled by biotinylated monomer and streptavidin. It contains Gly25-Thr305(HLA-A\*02:01),Ile21-Met119(B2M) and LMLGEFLKL peptide.

### Bio-Activity

### Storage

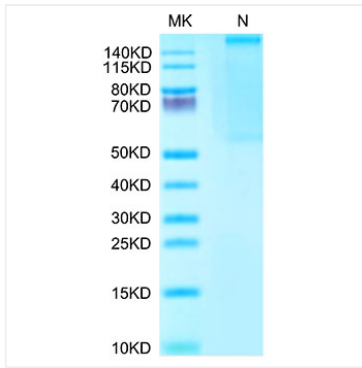
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

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

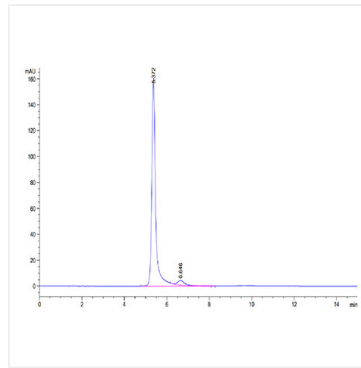
Avoid repeated freeze/thaw cycles.

## Validation Data

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Human Survivin (HLA-A\*02:01) Tetramer on Tris-Bis PAGE under Non reducing (N) condition. The purity is greater than 95%.



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