

RP02751

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# Biotinylated Recombinant Human HLA-G Complex Protein

Catalog No.: RP02751 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	3135&567	P17693-1(HLA-A-G)&P61769(B2M)&RIIPRHLQL

### Tags

C-His&Avi

### Synonyms

HLA G antigen; sHLA-G; b2 microglobulin; HLA G; HLAG; HLA-G; MHC Class I Antigen G; MHC class Ib antigen; MHC-G; sHLA-G

## 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

1

### 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.

## Contact

## Background

HLA-G is a molecule that was first known to confer protection to the fetus from destruction by the immune system of its mother, thus critically contributing to fetal-maternal tolerance. The first functional finding constituted the basis for HLA-G research and can be summarized as such: HLA-G, membrane-bound or soluble, strongly binds its inhibitory receptors on immune cells (NK, T, B, monocytes/dendritic cells), inhibits the functions of these effectors, and so induces immune inhibition.

## Basic Information

### Description

Recombinant Biotinylated Human HLA-G Complex Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. ; It contains Gly25-Thr305(HLA-G),Ile21-Met119(B2M) and RIIPRHLQL 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.



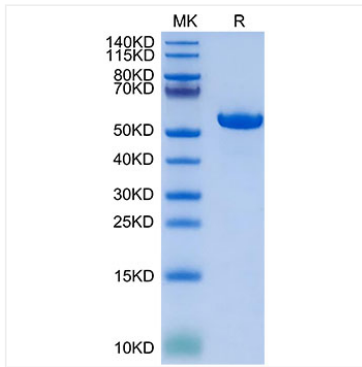
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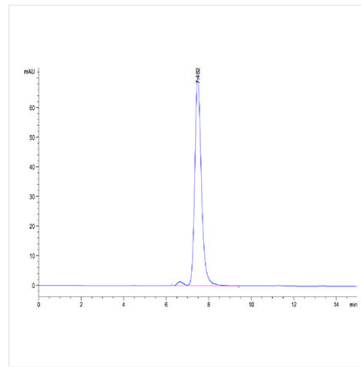
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## Validation Data

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Biotinylated Recombinant Human HLA-G Complex Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human HLA-G is greater than 95% as determined by SEC-HPLC.