

# Recombinant Human HLA-G Protein, His-Avi-tagged

**Cat. No.** HLA-G-312H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human HLA-G Complex Protein(P61769&P17693) is expressed from Expi293 with His and Avi Tag at the C-terminal. It contains Gly25-Thr305 (HLA-G), Ile21-Met119 (B2M) and RIIPRHLQL peptide. |
| <b>Species</b>          | Human                                                                                                                                                                                                |
| <b>Source</b>           | HEK293                                                                                                                                                                                               |
| <b>ProteinLength</b>    | It contains Gly25-Thr305 (HLA-G), Ile21-Met119 (B2M) and RIIPRHLQL peptide.                                                                                                                          |
| <b>Form</b>             | Supplied as 0.22um filtered solution in PBS (pH 7.4).                                                                                                                                                |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 50.5 kDa.Due to glycosylation, the protein migrates to 51-60 KDa based on Bis-Tris PAGE result.                                                                    |
| <b>Endotoxin</b>        | Less than 1EU per ug by the LAL method.                                                                                                                                                              |
| <b>Purity</b>           | > 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC                                                                                                                                    |
| <b>Storage</b>          | The product should be stored at -70°C. Please do not repeated freeze-thaw cycles.                                                                                                                    |
| <b>Reconstitution</b>   | It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.                        |

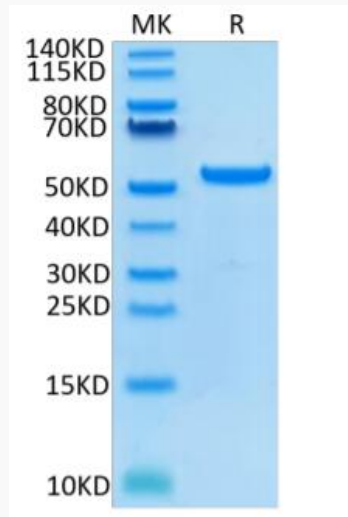
## GENE INFORMATION

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|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| <b>Gene Name</b>       | HLA-G major histocompatibility complex, class I, G [ Homo sapiens ]             |
| <b>Official Symbol</b> | HLA-G                                                                           |
| <b>Synonyms</b>        | HLA class I histocompatibility antigen, alpha chain G; sHLA-G; HLAG; HLA-G; B2M |
| <b>Gene ID</b>         | 3135                                                                            |
| <b>mRNA Refseq</b>     | NM_002127                                                                       |
| <b>Protein Refseq</b>  | NP_002118                                                                       |
| <b>MIM</b>             | 142871                                                                          |
| <b>UniProt ID</b>      | P17693                                                                          |

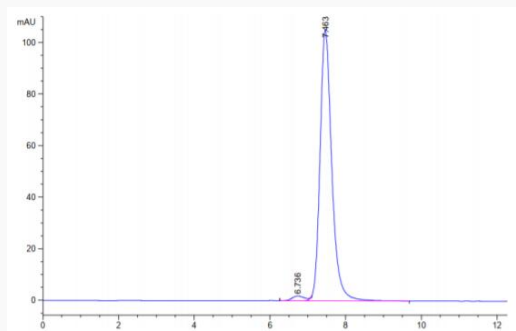
**SDS-PAGE**


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## SEC-HPLC



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