

## Recombinant Human IgG1Fc protein

**Cat. No.** IgG1Fc-13H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                               |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human IgG1Fc protein(P01857-1)(Asp104-Lys330) is expressed from HEK293.                                                                                           |
| <b>Species</b>          | Human                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                        |
| <b>ProteinLength</b>    | Asp104-Lys330                                                                                                                                                                 |
| <b>Tag</b>              | N/A                                                                                                                                                                           |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.                                                |
| <b>Bio-activity</b>     | Human FcRn, His Tag captured on CM5 Chip via anti-his antibody can bind Human IgG1 Fc, No Tag with an affinity constant of 0.28 µM as determined in SPR assay (Biacore T200). |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 25.5 kDa. Due to glycosylation, the protein migrates to 31-33 kDa based on Tris-Bis PAGE result.                                            |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                       |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE<br>> 95% as determined by HPLC                                                                                                           |

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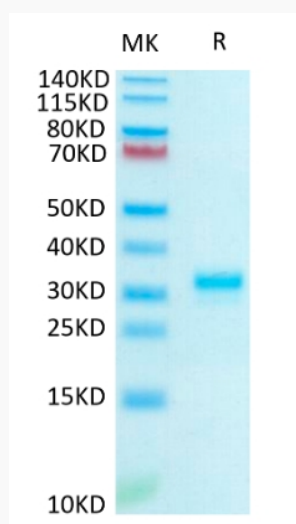
### Storage

Store at -20 to -80°C for 12 months as supplied from date of receipt; -80°C for 3-6 months after reconstitution; 2-8°C for 2-7 days after reconstitution; Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

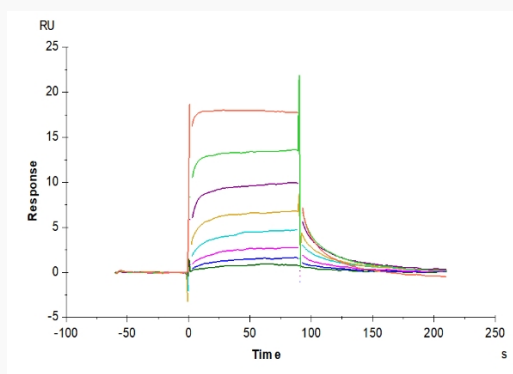
### Reconstitution

Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

### Tris-Bis PAGE



### SPR Data



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