

Active Recombinant Human HLA-G protein, His-Avi-tagged

Cat. No. HLA-G-501H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human HLA-G protein(P17693-1(HLA-G)&P61769(B2M)&RIIPRHLQL), fused with His tag and Avi tag at the C-terminal, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	It contains Gly25-Thr305(HLA-G),Ile21-Met119(B2M) and RIIPRHLQL peptide.
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.
Bio-activity	Human LILRB2, hFc Tag captured on CM5 Chip via Protein A can bind Human HLA-G Complex Tetramer with an affinity constant of 4.62 nM as determined in SPR assay (Biacore T200).
Molecular Mass	The protein has a predicted MW of 258 kDa. Due to glycosylation, the protein migrates to 260-265 kDa under Non reducing (N) condition based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per µg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

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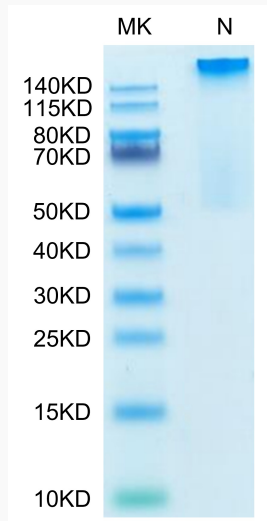
Storage	The product should be stored at -70°C or -20°C.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GENE INFORMATION	
Gene Name	HLA-G major histocompatibility complex, class I, G [Homo sapiens]
Official Symbol	HLA-G
Synonyms	HLA-G; major histocompatibility complex, class I, G; HLA G histocompatibility antigen, class I, G; HLA class I histocompatibility antigen, alpha chain G; b2 microglobulin; HLA G antigen; HLA class I molecule; MHC class I antigen G; HLA-G histocompatibility antigen, class I, G; MHC-G
Gene ID	3135
mRNA Refseq	NM_002127
Protein Refseq	NP_002118
MIM	142871
UniProt ID	P17693

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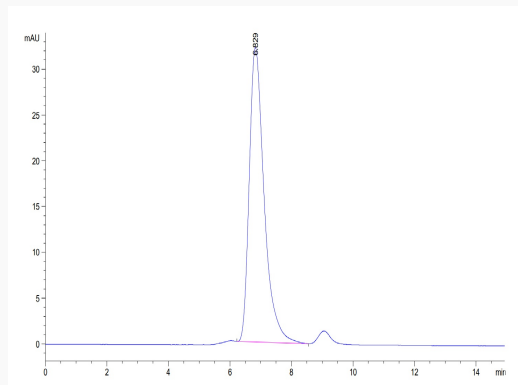
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Tris-Bis PAGE



SEC-MALS



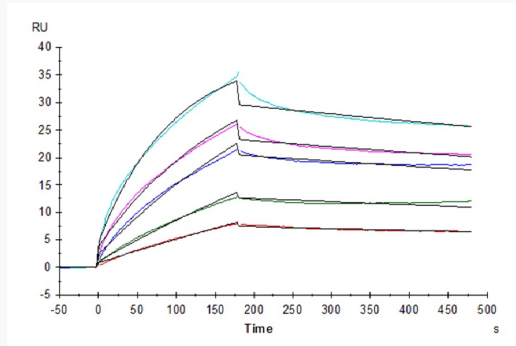
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SPR Data



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