Recombinant Human HLA-G&B2M&Peptide (RIIPRHLQL) Monomer protein, His-Avi-tagged, Biotinylated

Cat. No. HLA-G&B2M-6746H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Biotinylated Human HLA-G Protein(Gly25-Thr305(HLA-G), Ile21-Met119(B2M) and RIIPRHLQL peptide) is expressed from HEK293 with His tag and Avi tag at the C-terminal.
Species	Human
Source	HEK293
ProteinLength	Gly25-Thr305(HLA-G), Ile21-Met119(B2M)and RIIPRHLQL peptide
Tag	C-His-Avi
Conjugation/Label	Biotin
Form	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4.). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Biotinylated Human HLA-G&B2M&Peptide (RIIPRHLQL) Monomer, His-Avi Tag at 1μg/ml (100μl/well) on the streptavidin precoated plate (5μg/ml). Dose response curve for Anti-HLA-G Antibody, hFc Tag with the EC50 of 5.4ng/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 50.5 kDa. Due to glycosylation, the protein migrates to 51-60 kDa based on Tris-Bis PAGE result.

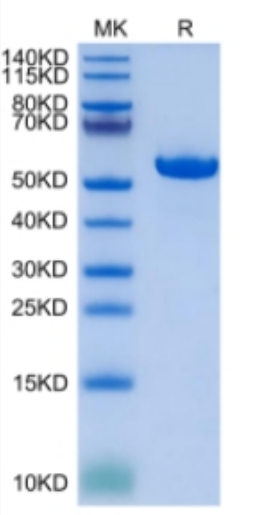
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Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC
Storage	Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
GeneID 2	567
Conjugation	Biotin

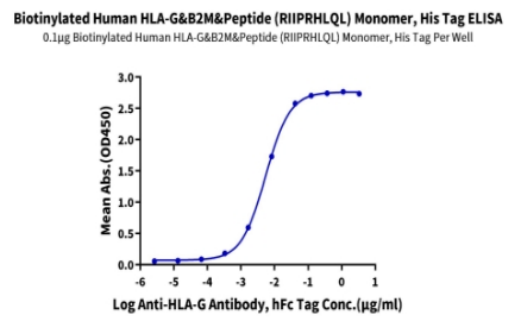
GENE INFORMATION

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

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MIM	142871
UniProt ID	P17693
Gene Name 2	B2M beta-2-microglobulin [Homo sapiens]
Official Symbol 2	B2M
Synonyms 2	B2M; beta-2-microglobulin; beta-2-microglobin; beta chain of MHC class I molecules
mRNA Refseq 2	NM_004048
Protein Refseq 2	NP_004039
MIM 2	109700
UniProt ID 2	P61769
Tris-Bis PAGE	

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ELISA Data	

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