PRODUCT INFORMATION

Target	IgG1-Fc
Synonyms	IgG1 Fc Protein
Description	Recombinant Human IgG1-Fc Protein
Delivery	In Stock
Uniprot ID	P01857
Expression Host	HEK293
Tag	
Molecular Characterization	hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 27.7 kDa after removal of the signal peptide.The apparent molecular mass of IgG1-Fc is approximately 30-40 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	IGHG1 (Immunoglobulin Heavy Constant Gamma 1 (G1m Marker)) is a Protein Coding gene. Diseases associated with IGHG1 include Leukemia;Chronic Lymphocytic and Heavy Chain Deposition Disease. Among its related pathways are Interleukin-4 and 13 signaling and IL4-mediated signaling events. Gene Ontology (GO) annotations related to this gene include antigen binding. An important paralog of this gene is IGHG3.
Usage	Research use only
Conjugate	Unconjugated

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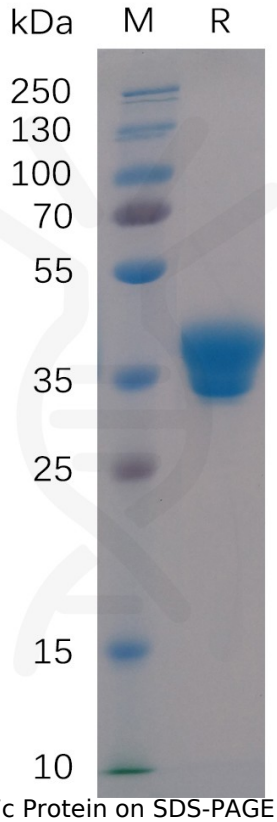


Figure 1. Human IgG1-Fc Protein on SDS-PAGE under reducing condition.

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