

Active Recombinant Human IGHG1 Protein

Cat. No. IGHG1-245H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human IgG1 Fc region (AAC82527.1) (Glu 99-Lys 330) (one aa mutation, 103 Cys/Ser) was expressed.
Species	Human
Source	HEK293
Protein Length	99-330 a.a.
Predicted N Terminal	Glu 99
Form	Lyophilized from sterile PBS, pH 7.4, 5%~8% trehalose and mannitol.
Bio-activity	1. Measured by its ability to bind human CD16a-His in a functional ELISA. 2. Measured by its ability to bind human CD16a-AVI-His in a functional ELISA. 3. Measured by its ability to bind human CD16a-His in a functional ELISA.
Molecular Mass	The recombinant human IgG1 Fc consists of 232 amino acids and has a predicted molecular mass of 26 kDa. As a result of glycosylation, the apparent molecular mass of rhFc is approximately 32 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE.

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Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	Store it under sterile conditions at -20°C~-70°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.25 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	IGHG1 immunoglobulin heavy constant gamma 1 (G1m marker) [Homo sapiens]
Official Symbol	IGHG1
Synonyms	IGHG1
Gene ID	3500
mRNA Refseq	
Protein Refseq	
MIM	
UniProt ID	
Chromosome Location	14q32.33
Pathway	Classical antibody-mediated complement activation, organism-specific biosystem; Complement cascade, organism-specific biosystem; Fc gamma receptor (FCGR) dependent phagocytosis, organism-specific biosystem

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