

Recombinant Human IGHG4 Protein (SPR verified)

Cat. No. IGHG4-8282H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IGHG4 Protein (SPR verified) (Glu99-Lys327) was expressed in human 293 cells (HEK293).
Species	Human
Source	HEK293
ProteinLength	Glu99-Lys327
Description	Immunoglobulin G4 (IgG4) is a member of many immunoglobulin G developed and secreted by effective B cells. In wake of cutting by pepsin, IgG is divided into two F(ab)s with one antigen binding site and a high conserved Fc segment. The Fc segment bears a highly conserved N-glycosylation site. Ig gamma-4 chain Fc region contains two constant regions of IgG4 H chain (CH2, CH3).
Predicted N Terminal	Glu99
Form	Tris with Glycine, Arginine and NaCl, pH7.5
Molecular Mass	The protein has a calculated MW of 25.8 kDa. As a result of glycosylation, the protein migrates as 30-32 kDa under reducing (R) condition, and 28-30 kDa and 55-60 kDa under non-reducing (NR) condition (SDS-PAGE).
Endotoxin	Less than 1.0 EU per µg by the LAL method.

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Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4°C before opening to recover the entire contents.
GENE INFORMATION	
Gene Name	IGHG4
Official Symbol	IGHG4
Synonyms	IGHG4
Gene ID	3503
MIM	147130
UniProt ID	P01861