

Recombinant Mouse Ighg3 protein

Cat. No. Ighg3-7302M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Ighg3 (Glu97-Lys329) protein carried no tag and was expressed in human 293 cells (HEK293).
Species	Mouse
Source	HEK293
ProteinLength	Glu97-Lys329
Description	Immunoglobulin G3 (IgG3) 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-3 chain C region (IgG3-Fc/IGHG3) contains two constant regions of IgG3 H chain (CH2, CH3).
Predicted N Terminal	Glu97
Form	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
Molecular Mass	The protein has a calculated MW of 26.2 kDa. The protein migrates as 33-35 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per µg by the LAL method.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95% as determined by SDS-PAGE.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade 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 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

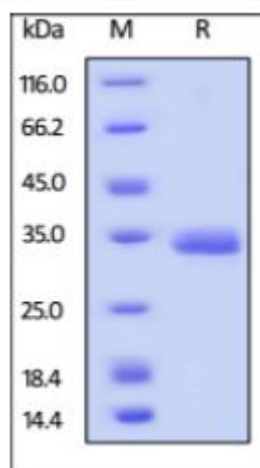
Gene Name	Ighg3
Official Symbol	Ighg3
Synonyms	IgG3
Gene ID	380795
UniProt ID	Q6KAM2

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**SDS-PAGE of IgG3-
7302M**



Mouse IgG3 Fc, Tag Free on SDS-PAGE under reducing (R) condition. The gel was stained overnight with Coomassie Blue. The purity of the protein is greater than 95%.