

## Recombinant Mouse Ighg3 protein

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Ighg3 (Glu97-Lys329) protein carried no tag and was expressed in human 293 cells (HEK293).
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Glu97-Lys329
<b>Description</b>	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).
<b>Predicted N Terminal</b>	Glu97
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in Tris with Glycine, Arginine and NaCl, pH7.5, 10% trehalose.
<b>Molecular Mass</b>	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.
<b>Endotoxin</b>	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 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** [lghg3](#)

**Official Symbol** [lghg3](#)

**Synonyms** IgG3

**Gene ID** [380795](#)

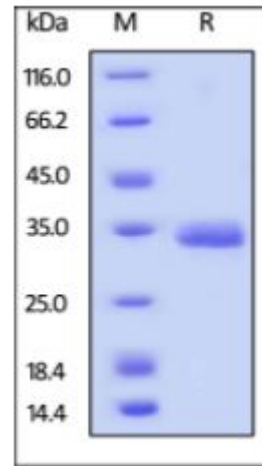
**UniProt ID** [Q6KAM2](#)

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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%.

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