

## Recombinant Mouse CD3G Protein, Fc-tagged

**Cat. No.** Cd3g-323M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant extracellular domain (Met1-Asp108) of mouse CD3E (NP_031674.1) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the extracellular domain (Met1-Ser116) of mouse CD3G (NP_033980.1) was fused with the Fc region of human IgG1 at the C-terminus, constructed the plasmid 2. The two plasmids were co-expressed and the mouse CD3E/CD3G heterodimer was purified.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	Met1-Ser116
<b>Predicted N Terminal</b>	Asp23 & Gln23
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
<b>Molecular Mass</b>	The recombinant mouse CD3E&CD3G consists of (329+335) amino acids and predicts a molecular mass of (37.2+ 37.3) kDa.
<b>Endotoxin</b>	< 1.0 EU per µg protein as determined by the LAL method.
<b>Purity</b>	> (9.1+76.7+7.8) % as determined by SDS-PAGE.

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

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

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

**Storage** Samples are stable for up to twelve months from date of receipt at -70 centigrade. Store it under sterile conditions at -20 centigrade to -80 centigrade. 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 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** Cd3g CD3 antigen, gamma polypeptide [ *Mus musculus* ]

**Official Symbol** Cd3g

**Synonyms** CD3G; CD3 antigen, gamma polypeptide; T-cell surface glycoprotein CD3 gamma chain; T-cell receptor T3 gamma chain; T3g; Ctg3; Ctg-3;

**Gene ID** 12502

**mRNA Refseq** NM\_009850

**Protein Refseq** NP\_033980

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