

Recombinant Mouse CD3G Protein, Fc-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
ProteinLength	Met1-Ser116
Predicted N Terminal	Asp23 & Gln23
Form	Lyophilized from sterile PBS, pH 7.4. Normally 5 %- 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant mouse CD3E&CD3G consists of (329+335) amino acids and predicts a molecular mass of (37.2+ 37.3) kDa.
Endotoxin	< 1.0 EU per µg protein as determined by the LAL method.
Purity	> (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  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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