

## Recombinant Human CD3E&CD3G protein, hFc-tagged

**Cat. No.** CD3E&CD3G-1574H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                  |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human CD3E&CD3G protein(P07766(CD3E)&P09693(CD3G))(Asp23-Asp126(CD3E) & Gln23-Ser116(CD3G)), fused with C-terminal hFc tag, was expressed in HEK293.                 |
| <b>Species</b>          | Human                                                                                                                                                                            |
| <b>Source</b>           | HEK293                                                                                                                                                                           |
| <b>ProteinLength</b>    | Asp23-Asp126(CD3E) & Gln23-Ser116(CD3G)                                                                                                                                          |
| <b>Tag</b>              | C-hFc                                                                                                                                                                            |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                                                   |
| <b>Bio-activity</b>     | Immobilized Human CD3E&CD3G, hFc Tag at 0.5µg/ml (100µl/Well). Dose response curve for Biotinylated Anti-CD3E&CD3G Ab.1, hFc Tag with the EC50 of 1.22ug/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 37.8 kDa (CD3E) and 36.5 kDa (CD3G). Due to glycosylation, the protein migrates to 40-60 kDa based on Tris-Bis PAGE result.                    |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                                          |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE;> 95% as determined by HPLC                                                                                                                 |

 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

|                          |                                                                                                                                                                                                                                                                                           |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>           | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual defrost freezer and avoid repeated freeze-thaw cycles.                                                                                                                                                  |
| <b>Reconstitution</b>    | Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.                                                                                                                               |
| <b>GeneID 2</b>          | 917                                                                                                                                                                                                                                                                                       |
| <b>GENE INFORMATION</b>  |                                                                                                                                                                                                                                                                                           |
| <b>Gene Name</b>         | CD3E CD3e molecule, epsilon (CD3-TCR complex) [ Homo sapiens ]                                                                                                                                                                                                                            |
| <b>Official Symbol</b>   | CD3E                                                                                                                                                                                                                                                                                      |
| <b>Synonyms</b>          | CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex, epsilon subunit of T3; T3E; TCRE; FLJ18683; |
| <b>Gene ID</b>           | 916                                                                                                                                                                                                                                                                                       |
| <b>mRNA Refseq</b>       | NM_000733                                                                                                                                                                                                                                                                                 |
| <b>Protein Refseq</b>    | NP_000724                                                                                                                                                                                                                                                                                 |
| <b>UniProt ID</b>        | P07766                                                                                                                                                                                                                                                                                    |
| <b>Gene Name 2</b>       | CD3G CD3g molecule, gamma (CD3-TCR complex) [ Homo sapiens ]                                                                                                                                                                                                                              |
| <b>Official Symbol 2</b> | CD3G                                                                                                                                                                                                                                                                                      |

 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

**Synonyms 2**

CD3G; CD3g molecule, gamma (CD3-TCR complex); CD3g antigen, gamma polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 gamma chain; T-cell receptor T3 gamma chain; CD3g molecule, epsilon (CD3-TCR complex); T-cell antigen receptor complex, gamma subunit of T3; T3G; CD3-GAMMA; FLJ17620; FLJ17664; FLJ79544; FLJ94613; MGC138597;

**mRNA Refseq 2**

[NM\\_000073](#)

**Protein Refseq 2**

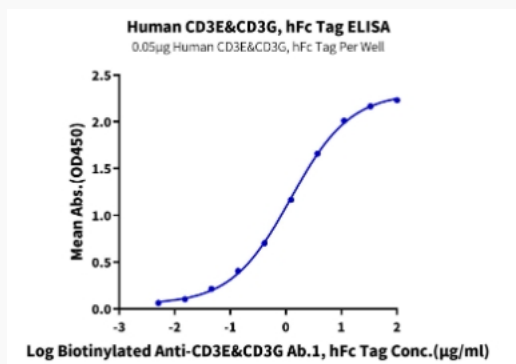
[NP\\_000064](#)

**UniProt ID 2**

[P09693](#)

**Tris-Bis PAGE**


## ELISA Data



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