

## Recombinant Rabbit CD3E & CD3G protein, His &Flag-tagged

**Cat. No.** CD3E & CD3G-3035R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rabbit CD3E&CD3G protein(Gln 22-Thr 120 (CD3E) & Gln 23-Asn 111 (CD3G)), fused with His and Flag tag, was expressed in HEK293.                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>ProteinLength</b>    | Gln 22-Thr 120 (CD3E) & Gln 23-Asn 111 (CD3G)                                                                                                                                                                                                                                                                                                                                               |
| <b>Form</b>             | Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.                                                                                                                                                                                                                                                                  |
| <b>Molecular Mass</b>   | Rabbit CD3E&CD3G Heterodimer Protein, His Tag&Flag Tag is produced by co-expression of CD3E and CD3G, has a calculated MW of 16.5 kDa (CD3E) and 15.0 kDa (CD3G). Subunit CD3E is fused with a polyhistidine tag at the C-terminus and subunit CD3G is fused with a flag tag at the C-terminus. The reducing (R) heterodimer protein migrates as 18-20 kDa and 23 kDa due to glycosylation. |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                             |
| <b>Storage</b>          | For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile                                                                                                                          |

 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

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** CD3E CD3e molecule, epsilon (CD3-TCR complex) [ *Oryctolagus cuniculus* ]

**Official Symbol** CD3E

**Synonyms** CD3E; CD3e molecule, epsilon (CD3-TCR complex); T-cell surface glycoprotein CD3 epsilon chain; CD3 epsilon;

**Gene ID** 100008616

**mRNA Refseq** NM\_001082001

**Protein Refseq** NP\_001075470

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