

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

**Cat. No.** CD3E & CD3G-3031R    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
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| <b>Product Overview</b> | Biotinylated Recombinant Rabbit CD3E&CD3G protein(Gln 22-Thr 120), fused with His-Avi and Flag tag, was expressed in HEK293.                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>          | Rabbit                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>ProteinLength</b>    | Gln 22-Thr 120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <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>   | Biotinylated Rabbit CD3E&CD3G Heterodimer Protein, His,Avitag&Flag Tag is produced by co-expression of CD3E and CD3G, has a calculated MW of 18.2 kDa (CD3E) and 15.0 kDa (CD3G). Subunit CD3E carries a polyhistidine tag at the C-terminus, followed by an Avi tag and subunit CD3G is fused with a flag tag at the C-terminus. As a result of glycosylation, the protein migrates as 18 kDa, 21 kDa and 23 kDa under reducing (R) condition, and 36 kDa and 40-43 kDa under non-reducing (NR) condition (SDS-PAGE). |
| <b>Endotoxin</b>        | Less than 1.0 EU per µg by the LAL method.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Purity</b>           | >90% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 conditions after reconstitution. |
| <b>Reconstitution</b>   | 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.                                                                                                                       |
| <b>Conjugation</b>      | Biotin                                                                                                                                                                                                                                                                                              |
| <b>GENE INFORMATION</b> |                                                                                                                                                                                                                                                                                                     |
| <b>Gene Name</b>        | CD3E CD3e molecule, epsilon (CD3-TCR complex) [ <i>Oryctolagus cuniculus</i> ]                                                                                                                                                                                                                      |
| <b>Official Symbol</b>  | CD3E                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>         | CD3E; CD3e molecule, epsilon (CD3-TCR complex); T-cell surface glycoprotein CD3 epsilon chain; CD3 epsilon;                                                                                                                                                                                         |
| <b>Gene ID</b>          | 100008616                                                                                                                                                                                                                                                                                           |
| <b>mRNA Refseq</b>      | NM_001082001                                                                                                                                                                                                                                                                                        |
| <b>Protein Refseq</b>   | NP_001075470                                                                                                                                                                                                                                                                                        |

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