

Recombinant Cynomolgus monkey CD3E Protein, His-tagged

Cat. No. CD3E-139C **Lot. No.** (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Cynomolgus monkey CD3E protein with His tag was expressed in HEK293. |
| Species | Cynomolgus |
| Source | HEK293 |
| ProteinLength | 198 |
| Description | The protein encoded by this gene is the CD3-epsilon polypeptide, which together with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T-cell receptor-CD3 complex. This complex plays an important role in coupling antigen recognition to several intracellular signal-transduction pathways. The genes encoding the epsilon, gamma and delta polypeptides are located in the same cluster on chromosome 11. The epsilon polypeptide plays an essential role in T-cell development. Defects in this gene cause immunodeficiency. This gene has also been linked to a susceptibility to type I diabetes in women. |
| Form | Lyophilized |
| Molecular Mass | 11.7 kDa |
| AA Sequence | MQSGTRWRVLGLCLLSIGVWGQDNEEMGSITQTPYQVSISGTTVILTCSQHLGSE AQWQHNGKNKEDSGDRLFLPEFSEMEQSGYYVCYPRGSNPEDASHHLYLKARVC |

 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

ENCMEMDVM AVATIVVDICITLGLLLL VYYWSKNRKAKAKPVTRGAGAGGRQRGQN
KERPPVPNP DYEPKRGQQDLYSGLNQRR I

Purity

> 98%

Applications

WB; ELISA; FACS; FC

Stability

This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.

Storage

At -20 centigrade.

Concentration

1 mg/mL

Storage Buffer

PBS (pH 7.4-7.5). Sterile-filtered colorless solution.

Reconstitution

Reconstitute in sterile distilled H₂O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name

CD3E CD3e molecule, epsilon (CD3-TCR complex) [*Macaca mulatta* (Rhesus monkey)]

Official Symbol

CD3E

Synonyms

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

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|-----------------------|--------------|
| Gene ID | 699467 |
| mRNA Refseq | XM_015115816 |
| Protein Refseq | XP_014971302 |
| UniProt ID | G7NCB9 |

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