

# Recombinant Cynomolgus monkey CD3E Protein, His and Fc-tagged

**Cat. No.** CD3E-140C    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Cynomolgus monkey CD3E protein with His and Fc tag was expressed in HEK293.
<b>Species</b>	Cynomolgus
<b>Source</b>	HEK293
<b>ProteinLength</b>	198
<b>Description</b>	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.
<b>Form</b>	Lyophilized
<b>Molecular Mass</b>	38.3 kDa
<b>AA Sequence</b>	MQSGTRWRVGLGCLLSIGVWGQDGNEEMGSITQTPYQVSISGTTVILTCSQHLGSE

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AQWQHNGKNKEDSGDRLFLPEFSEMEQSGYYVCYPRGSNPEDASHHLYLKARVC  
 ENCMEMDMVAVATIVVDICITLGLLLLVIYYWSKNRKAKAKPVTRGAGAGGRQRGQN  
 KERPPPVPNPDYEPIRKGQQDLYSGLNQRRRI

**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 H<sub>2</sub>O 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

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epsilon chain;

**Gene ID**

699467

**mRNA Refseq**


XM\_015115816

**Protein Refseq**

XP\_014971302

**UniProt ID**

G7NCB9

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