

Recombinant Cynomolgus monkey CD3E Protein, His and Fc-tagged

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

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey CD3E protein with His and Fc 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	38.3 kDa
AA Sequence	MQSGTRWRVLGLCLLSIGVWGQDGNEEMGSITQTPYQVSISGTTVILTCSQHLGSE

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AQWQHNGKNKEDSGDRLFLPEFSEMEQSGYYVCYPRGSNPEDASHHLYLKARVC
 ENCMEMDMVMAVATIVVDICITLGLLLLVEYYWSKNRKAKAKPVTRGAGAGGRQRGQN
 KERPPVPNPDPYEPKRGQDLYSGLNQRR

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

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epsilon chain;

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

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