

# Recombinant Full Length Human CD3E Protein

**Cat. No.** CD3E-62HF    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length mature Human CD3 epsilon with N terminal proprietary tag; predicted MWt 46.46 kDa inclusive of tag
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	185 amino acids
<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>	Liquid
<b>Molecular Mass</b>	46.460kDa inclusive of tags
<b>AA Sequence</b>	DGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQRN DKNIGGEDDDKNIGSDE DHLSLKEFSELEQSGYYVCYPRG SKPEDANFYLYLRARVCENCMEMDVMMSVATIVI

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VDICITG GLLLLVYYWSKNRKAKAKPVTRGAGAGGRQRGQNKERPPP VPNPDYEP  
IRKGQRDLYSGLNQRRRI

**Purity** Proprietary Purification

**Storage** Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

**Storage Buffer** pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

## GENE INFORMATION

**Gene Name** CD3E CD3e molecule, epsilon (CD3-TCR complex) [ Homo sapiens ]

**Official Symbol** CD3E

**Synonyms** CD3E; CD3e molecule, epsilon (CD3-TCR complex); CD3e antigen, epsilon polypeptide (TiT3 complex); T-cell surface glycoprotein CD3 epsilon chain

**Gene ID** 916

**mRNA Refseq** NM\_000733

**Protein Refseq** NP\_000724

**MIM** 186830

**UniProt ID** P07766

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