

Recombinant Full Length Human CD3E Protein, GST-tagged

Cat. No. CD3E-3174HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CD3E full-length ORF (AAH49847.1, 23 a.a. - 207 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	23-207 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	46.09 kDa
AA Sequence	DGNEEMGGITQTPYKVSISGTTVILTCPQYPGSEILWQRNDKNIGGDEDDKNIGSDE DHLSTKEFSELEQSGYYVCYPRGSKPEDANFYLYLRARVCENCMEMDVMMSVATIVV DICTGGLLLLVYYWSKNRKAKAKPVTRGAGAGGRQGRGQNKERPPPVPNPDIYPIR KGQRDLYSGLNQRRRI

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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; CD3-epsilon; T-cell surface antigen T3/Leu-4 epsilon chain; T-cell antigen receptor complex, epsilon subunit of T3; T3E; TCRE; FLJ18683;
Gene ID	916
mRNA Refseq	NM_000733
Protein Refseq	NP_000724
MIM	186830
UniProt ID	P07766