9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
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CD3e Human

CD3e Human Recombinant
CDA0067

Product Overview

Name	CD3e Human
Description	
CD3e Human Recombinant	
Accession (Primary)	P07766
Synonyms	
T-cell surface glycoprotein CD3 epsilon chain, T-cell surface antigen T3/Leu-4 epsilon chain, CD3e, T3E, TCRE.	
Introduction	
CD3-epsilonpolypeptide (CD3E) along with CD3-gamma, -delta and -zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, creates the T-cell receptor-CD3 complex. This complex has an imperative role in coupling antigen recognition to a number of intracellular signal-transduction pathways. The genes encoding the epsilon, gamma delta polypeptides are found in the same cluster on chromosome 11. The epsilon polypeptide plays a vital role in T-cell development. CD3E gene defects cause immunodeficiency. CD3E is also linked to a susceptibility to type I diabetes in women.	
Source	
E.coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The CD3e solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.2M NaCl and 10% glycerol.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS DGNEEMG GITQTPYKVS ISGTTVILTC PQYPGSEILW QHNDKNIGGD EDDKNIGSDE DHLSLKEFSE LEQSGYYVCY PRGSKPEDAN FYLYLRARVC ENCMEMD.	
Precautions	

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CD3e Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P07766)