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32-9195: Recombinant Human CD3E (C-hFc)

Alternative Name : T-Cell Surface Glycoprotein CD3 Epsilon Chain; T-Cell Surface Antigen T3/Leu-4 Epsilon Chain; CD3e; CD3E; T3E

Description

Source : Human 293 Cells;
CD3 epsilon (T-Cell Surface Glycoprotein CD3 Epsilon), is a single-pass type I membrane glycoprotein, that belongs to the Ig (Immunoglobulin) superfamily. CD3E contains 1 Ig-like domain and 1 ITAM domain. CD3E, together with CD3-gamma, CD3-delta and CD3-zeta, and the T-cell receptor alpha/beta and gamma/delta heterodimers, forms the T cell receptor-CD3 complex. This complex is essential for 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 important role in T-cell development. Defects in CD3E gene cause severe immunodeficiency. CD3E gene has also been linked to a susceptibility to type I diabetes in women.

Product Info

Amount : 500 µg / 50 µg

Content : Lyophilized from a 0.2 um filtered solution of PBS, 0.01%Tween 80, pH 7.4

Amino Acid : Recombinant Human T-cell surface glycoprotein CD3 epsilon chain is produced by our Mammalian expression system and the target gene encoding Asp23-Asp126 is expressed with a Fc tag at the C-terminus.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.