32-13094: CD247 Human, Sf9

Alternative Name :	CD247 Molecule, T-Cell Surface Glycoprotein CD3 Zeta Chain, T-Cell Receptor T3 Zeta Chain, CD247 Antigen, CD3Z, TCRZ, T3Z, T-Cell Antigen Receptor Complex, Zeta Subunit Of CD3, CD3Z Antigen, Zeta Polypeptide (TiT3 Complex), CD3z Antigen, Zeta Polypeptide (TiT3 Complex) , CD247 Antigen, Zeta Subunit , TCR Zeta Chain, CD3zeta Chain, CD3-ZETA, IMD25, CD3H, CD3Q. Â Â Â

Description

Source: Sf9, Baculovirus cells.
Sterile Filtered colorless solution.
T-cell surface glycoprotein CD3 zeta chain (CD247) is a member of the CD3Z/FCER1G family. CD247 is T-cell receptor zeta, which along with T-cell receptor alpha/beta and gamma/delta heterodimers, and also with CD3-gamma, -delta and -epsilon, creates the T-cell receptor-CD3 complex. The zeta chain has a central role in coupling antigen recognition to several intracellular signal-transduction pathways. Low expression of the CD247 antigen causes impaired immune response.
CD247 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 122 amino acids (52-164a.a.) and having a molecular mass of 14.1kDa. (Molecular size on SDS-PAGE will appear at approximately 13.5-18kDa). CD247 is expressed with an 9 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount :	1 µg / 5 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	CD247 protein solution (0.2mg/ml) contains 20mM Tris-HCl buffer (pH 6.8), 50% glycerol, 1mM DTT, 1mM EDTA and 0.1M NaCl.
Storage condition :	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.
Amino Acid :	ADPRVKFSRS ADAPAYQQGQ NQLYNELNLG RREEYDVLDK RRGRDPEMGG KPQRRKNPQE GLYNELQKDK MAEAYSEIGM KGERRRGKGH DGLYQGLSTA TKDTYDALHM QALPPRHHHH HH