

32-6437: IL7 Human, sf9

Alternative Name : Interleukin 7, IL-7, Interleukin-7.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered colorless solution.

IL-7 is a cytokine important for B and T cell development. This cytokine and the hepatocyte growth factor (HGF) form a heterodimer that functions as a pre-pro-B cell growth-stimulating factor. This cytokine is found to be a cofactor for V(D)J rearrangement of the T cell receptor beta (TCRB) during early T cell development. This cytokine can be produced locally by intestinal epithelial and epithelial goblet cells, and may serve as a regulatory factor for intestinal mucosal lymphocytes. Knockout studies in mice suggested that this cytokine plays an essential role in lymphoid cell survival.

IL7 produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 161 amino acids (26-177 a.a.) and having a molecular mass of 18.4kDa (Molecular size on SDS-PAGE will appear at approximately 18-28 kDa). IL7 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by SDS-PAGE.

Content : IL7 protein solution (0.5mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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 : ADPDCDIEGK DGKQYESVLM VSIDQLLD SM KEIGSNCLNN EFNFFKRHIC DANKEGMFLF RAARKLRQFL KMNSTGDFDL HLLKVSEGTT ILLNCTGQVK GRKPAALGEA QPTKSLEENK SLKEQKKLND LCFLKRLQEQ IKTCWINKILM GTKEHHHHHH H.