9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-1424: IL 7, HEK Recombinant Protein

Alternative Name : Lymphopoietin 1 (LP-1),pre-B cell factor,IL-7.

Description

Source : HEK. IL-7 Human Recombinant produced in HEK cells is a glycosylated monomer, having a molecular weight range of 19-30kDa due to glycosylation.The IL-7 is purified by proprietary chromatographic techniques. 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.

Product Info

Amount :	10 µg
Purification :	Greater than 95% as obsereved by SDS-PAGE.
Content :	The IL7 was lyophilized from 1mg/ml in 1xPBS.
Storage condition :	Lyophilized IL-7 although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution IL7 should be stored at 4°C between 2-7 days and for future use below -18°C.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.

Application Note

It is recommended to reconstitute the lyophilized IL-7 in sterile PBS containing 0.1% endotoxin-free recombinant HSA. The activity was determined by the dose dependent stimulation of the proliferation of murine 2E8 cells and is typically 0.3ng/ml corresponding to a specific activity of 3,333,334units/mg.

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