

IL-11/AGIF, Human, Recombinant

Cat. No. : GPCK361

产品信息

物种	Human
表达宿主	E.coli
序列信息	PGPPPGPPRVSPDPRAELDSTVLLTRSLADTRQLAAQLRDKFPADGDHNLDSLPTLAMSAG ALGALQLPGVLTRLRADLLSYLRHVQWLRAGGSSSLKLEPELGTQARLDRLRLQLLSMR LALPQPPDPAPPLAPPSSAWGGIRAAHAILGGLHLTLDWAVRGLLLKTRL with polyhistidine tag at the N-terminus.
检索号	P20809.1
标签	His-tag at the N-terminus
分子量	19.95 kDa
有效期	12 months
生物活性	Measure by its ability to induce T11 cells proliferation. The ED50 for this effect is < 0.2 ng/mL. The specific activity of recombinant human IL-11 is approximately > 1 × 10 ⁷ IU/ mg.

产品特性

内毒素 (EU/μg)	< 0.1
保存	Lyophilized protein should be stored at -5~-20°C for 1 year. Upon reconstitution, store at 2-8°C for up to 1 week. Further dilute in a buffer containing a carrier protein or stabilizer (e.g. 0.1% BSA, 10% FBS, 5% HSA or 5% trehalose solution), protein aliquots should be stored at -5~-20°C or -80°C for 3-6 months.
运输	Ambient temperature or ice pack.
制剂	The protein was lyophilized from a 0.2 μm filtered solution containing 1 × PBS, pH 8.0.
复溶	It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

IL-11 is a cytokine and first isolated in 1990 from bone marrow-derived fibrocyte-like stromal cells. It was initially thought to be important for hematopoiesis, notably for megakaryocyte maturation, but subsequently shown to be redundant for platelets, and for other blood cell types, in both mice and humans. It is also known under the names adipogenesis inhibitory factor (AGIF) and was developed as a recombinant protein (rhIL-11) as the drug substance oprelvekin.

