

IL-24/MDA-7, Human, Recombinant**Cat. No. : GPCK288****产品信息**

物种	Human
表达宿主	E.coli
序列信息	MQEFHFGPCQVKGVVPQKLWEAFWAVKDTMQAQDNITSARLLQQEVLQNVSDAESCYLEVHT LLEFYLKTVFKNYHNRTVEVRTLKSFSTLANNFVLIVSQLQPSQENEMFSIRDSAHRRFLFRRA FKQLDVEAALTALGEVDILLTWMQKFYKL with polyhistidine tag at the C-terminus.
检索号	Q13007.1
标签	His-tag at the C-terminus
分子量	19.10 kDa
有效期	12 months
生物活性	Measure by its ability to chemoattract BaF3 cells transfected with human IL-20R alpha and IL-20R beta. The ED50 for this effect is < 100 pg/mL.

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

Interleukin-24 (IL-24) is a cytokine belonging to the IL-10 family of cytokines that signals through two heterodimeric receptors: IL-20R1/IL-20R2 and IL-22R1/IL-20R2. This interleukin is also known as melanoma differentiation-associated 7 (mda-7) due to its discovery as a tumour suppressing protein. IL-24 appears to control in cell survival and proliferation by inducing rapid activation of particular transcription factors called STAT1 and STAT3. This cytokine is predominantly released by activated monocytes, macrophages and T helper 2 (Th2) cells and acts on non-haematopoietic tissues such as skin, lung and reproductive tissues. IL-24 performs important roles in wound healing, arthritis, psoriasis and cancer. Several studies have shown that cell death occurs in cancer cells/cell lines following exposure to IL-24. The gene for IL-24 is located on chromosome 1 in humans.

