Oncostatin M, Human, Recombinant

货号：PCK371

产品信息

别名	Oncostatin M; oncostatin-M; OSM
物种	Human
表达宿主	HEK-293
序列信息	AAIGSCSKEYRVLLGQLQKQTDLMQDTSRLLDPYIRIQGLDVPKLREHCRE RPGAFPSEETLRGLGRRGFLQTLNATLGCVLHRLADLEQRLPKAQDLERSG LNIEDLEKLQMARPNILGLRNNIYCMAQLLDNSDTAEPTKAGRGASQPPTP TPASDAFQRKLEGCRFLHGYHRFMHSVGRVFSKWGESPNRSRR
检索号	P13725
分子量	25.7 kDa
生物活性	Fully biologically active when compared to standard. Determined by the dose dependant proliferation of TF-1 cell line. ED50 is ≤ 0.2 ng/mL, corresponding to a specific activity of 5.00 × 10^6 units/mg.

产品特性

纯度	>95% as determined by SDS-PAGE. Ni-NTA chromatography.
内毒素	<0.1 EU per 1 μg of the protein by the LAL method.
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, pH8.0.

复融	It is recommended to reconstitute the lyophilized protein in sterile water to aconcentration not less than 100 μg/mL. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Oncostatin M (OSM) is a growth and differentiation factor that participates in the regulation of neurogenesis, osteogenesis and hematopoiesis. Produced by activated T cells, monocytes and Kaposi's sarcoma cells, OSM can exert both stimulatory and inhibitory effects on cell proliferation. It stimulates the proliferation of fibroblasts, smooth muscle cells and Kaposi's sarcoma cells, but inhibits the growth of some normal and tumor cell lines. It also promotes cytokine release (e.g. IL-6, GM-CSF and G-CSF) from endothelial cells, and enhances the expression of low-density lipoprotein receptors in hepatoma cells. OSM shares several structural and functional characteristics with LIF, IL-6, and CNTF. Human OSM is active on murine cells. Recombinant Human Oncostatin M is a 25.7 kDa protein, containing 227 amino acid residues (full length precursor).