

IFN α 1a/IFNA2, Human, Recombinant

货号：PCK274

产品信息

别名	Leukocyte Interferon, IFNA2, B cell Interferon, Type I Interferon
物种	Human
表达宿主	E.coli
序列信息	CDLPETHSLDNRRTLMLLAQMSRISPSSCLMDRHDFGFPQEEFDGNQFQKA PAISVLHELIQQIFNLFTTKDSSAAWDEDLLDKFCTELYQQLNDLEACVMQ EERVGETPLMNADSILAVKKYFRITLYLTEKKYSPCAWEVVRAEIMRSLSL STNLQERLRRKE with polyhistidine tag at the N-terminus.
检索号	P01562.1
分子量	20.19 kDa
标签	His-tag at the N-terminus
生物活性	Measure by its ability to inhibit IL-8 secretion in human PBMCs in the presence of LPS. The ED50 for this effect is <1.12 μ g /mL.

产品特性

纯度	>95% as determined by SDS-PAGE. Ni-NTA chromatography.
内毒素	<0.1 EU per 1 μ g 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 μ m filtered solution containing 1X PBS, pH 8.0.



复融

It is recommended to reconstitute the lyophilized protein in sterile water to a concentration not less than 100 $\mu\text{g/mL}$. Do Not Vortex! Vigorous shaking may impair the biological activity of the protein.

背景介绍

Interferon alpha-1 or interferon alpha-D, encoded by the human IFNA1 gene, is a member of the type I interferon family. It is expressed in peripheral blood leukocytes and lymphoblastoid cells. There are four highly conserved cysteine residues which form two disulfide bonds. One bond is a necessity for biological activity, which plays a critical role in conducting non-specific resistance against a variety of viral infections, and regulation of cell proliferation and modulates immune responses.

SDS-PAGE

