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IL12, 23-328/23-219aa, Human, His tag, Insect cell

产品货号: TP02605

第三版

别名: Interleukin 12 (subunit beta/alpha), NKSF1

描述: IL12 is a cytokine that acts on T and natural killer cells, and has a broad array of biological activities. It is a disulfide-linked heterodimer composed of the 40 kD cytokine receptor like subunit and a 35 kD subunit. This cytokine is expressed by activated macrophages that serve as an essential inducer of Th1 cells development. IL12 has been found to be important for sustaining a sufficient number of memory/effector Th1 cells to mediate long-term protection to an intracellular pathogen. Recombinant human IL12 protein, fused to His-tag at C-terminus, was expressed in insect cells using baculovirus expression system and purified by using conventional chromatography techniques.

配方: Liquid. In Phosphate Buffered Saline (pH7.4) containing 10% glycerol

分子量: 34.6kDa (p40) & 23.3kDa (p35) (306aa & 203aa) The heterodimeric IL12 has a predicted molecular weight of 57.9kDa (509aa). Molecular weight on SDS-PAGE will appear higher.

序列:

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RNLPVATPDPGMFPCLHHSQNLLRAVSNMLQKARQTLEFYPCTSEEIDHEDITKDKTSTVEACLPLELTKNESCLNSRETSF  
ITNGSCLASRKTSFMMALCLSSIYEDLKMYQVEFKTMNAKLLMDPKRQIFLDQNMLAVIDELMQALNFNSETVPQKSSLEE  
PDFYKTKIKLCILLHAFRIRAVTIDRVMSYLNASHHHHH>IL12B(p40)IWELKKDVYVVELDWYPDAPGEMVVLTCDDP  
EEDGITWTLDQSSEVLGSGKTLTIQVKEFGDAGQYTCHKGGEVLSHSLLLLHKKEDGIWSTDILKDQKEPKNKTFLRCEAK  
NYSGRFTCWWLTTISTDLTFSVKSSRGSSDPQGVTCGAATLSAERVGRDNKEYEYSVEQCEDSACPAAEESLPIEVMVDAV  
HKLKYENYTSFFIRDIIKPDPPKNLQLKPLKNSRQVEVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKTSAT  
VICRKNASISVRAQDRYSSSWSEWASVPCS
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纯度: > 95% by HPLC

浓度: 0.5 mg/ml (determined by Absorbance at 280nm)

内毒素: <1.0 EU per 1 ug of protein (determined by LAL method)

存储: +4 ° C 保存 (1-2 周). 长期保存在 -20 ° C 或者 -70 ° C. 避免反复冻融.