

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

HUMAN IL4 PROTEIN, MFC TAG

货号: 11964

产品全名: 人 IL4 蛋白 规格: 10/50/100 µg

基因符号 BSF1;CGF1;BSF-1;BCGF-1;IL-4

目标蛋白: IL4

UNIPROT ID: P05112

描述: Recombinant Human IL4 Protein with C-terminal mouse Fc tag 背景: The protein encoded by this gene is a pleiotropic cytokine produced by activated T cells. This cytokine is a ligand for interleukin 4 receptor. The interleukin 4 receptor also binds to IL13, which may contribute to many overlapping functions of this cytokine and IL13. STAT6, a signal transducer and activator of transcription, has been shown to play a central role in mediating the immune regulatory signal of this cytokine. This gene,

role in mediating the immune regulatory signal of this cytokine. This gene, IL3, IL5, IL13, and CSF2 form a cytokine gene cluster on chromosome 5q, with this gene particularly close to IL13. This gene, IL13 and IL5 are found to be regulated coordinately by several long-range regulatory elements in an over 120 kilobase range on the chromosome. IL4 is considered an important cytokine for tissue repair, counterbalancing the effects of proinflammatory type 1 cytokines, however, it also promotes allergic airway inflammation. Moreover, IL-4, a type 2 cytokine, mediates and regulates a variety of human host responses such as allergic, anti-parasitic, wound healing, and acute inflammation. This cytokine has been reported to promote resolution of neutrophil-mediated acute lung injury. In an allergic response, IL-4 has an essential role in the production of allergen-specific immunoglobin (Ig) E. This pro-inflammatory cytokine has been observed to be increased in COVID-19 (Coronavirus disease 2019) patients, but is not necessarily associated with severe COVID-19 pathology. Two alternatively spliced transcript variants of this gene encoding distinct isoforms have been

物种/宿主: HEK293

分子量: The protein has a predicted molecular mass of 41.2 kDa after removal of the signal peptide. The apparent molecular mass of IL4-mFc is approximately 35-55 kDa due to glycosylation.

分子特征: IL4(His25-Ser153) mFc(Pro99-Lys330)

reported. [provided by RefSeq, Aug 2020]

纯化: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.



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Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

储存和运输: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

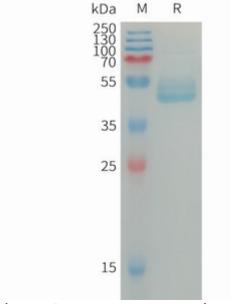


Figure 1.Human IL4 Protein, mFc Tag on SDS-PAGE under reducing condition.