

Product datasheet

Recombinant rat IL6 protein ab9771

概述

产品名称	Recombinant大鼠IL6 protein
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Escherichia coli
氨基酸序列	
种属	Rat
序列	<p>Recombinant Rat IL-6 is a 21.7 kDa protein containing 187 amino acid residues: MFPTSQVRRG DFTEDTTHNR PVYTTSQVGG LITY VLREIF EMRKELCNGN SDCMNSDDALSENNLKLPEI QRNDGCFQTG YNQEICLLKI CSGLLEFRFY LEFVKNNLQD NKKDKARVIQSNTETLV HIF KQEIKDSYKI VLPTPTSNAL LMEKLESQKE WLRTKTIQLI LK ALEEFKVTMRSTRQT</p>

技术指标

Our [Abpromise guarantee](#) covers the use of **ab9771** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

应用	<p>Functional Studies</p> <p>SDS-PAGE</p>
内毒素水平	< 0.100 Eu/μg
形式	Lyophilised
补充说明	The ED50 as determined by the dose-dependent stimulation of the proliferation of IL-6-dependent murine 7TD1 cells is < 0.01 ng/ml, corresponding to a specific activity of > 1 x 108 units/mg.

制备和贮存

稳定性和存储	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw
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cycles.

This product is an active protein and may elicit a biological response in vivo, handle with caution.

复溶

We recommend a quick spin followed by reconstitution in 100ul water or buffer at pH 7.0 to a concentration of 0.1mg/ml.

常规信息

功能

Cytokine with a wide variety of biological functions. It is a potent inducer of the acute phase response. Plays an essential role in the final differentiation of B-cells into Ig-secreting cells. Involved in lymphocyte and monocyte differentiation. It induces myeloma and plasmacytoma growth and induces nerve cells differentiation. Acts on B-cells, T-cells, hepatocytes, hematopoietic progenitor cells and cells of the CNS. Also acts as a myokine. It is discharged into the bloodstream after muscle contraction and acts to increase the breakdown of fats and to improve insulin resistance.

疾病相关

Genetic variations in IL6 are associated with susceptibility to rheumatoid arthritis systemic juvenile (RASJ) [MIM:604302]. An inflammatory articular disorder with systemic-onset beginning before the age of 16. It represents a subgroup of juvenile arthritis associated with severe extraarticular features and occasionally fatal complications. During active phases of the disorder, patients display a typical daily spiking fever, an evanescent macular rash, lymphadenopathy, hepatosplenomegaly, serositis, myalgia and arthritis.

Note=A IL6 promoter polymorphism is associated with a lifetime risk of development of Kaposi sarcoma in HIV-infected men.

序列相似性

Belongs to the IL-6 superfamily.

翻译后修饰

N- and O-glycosylated.

细胞定位

Secreted.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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