

Product datasheet

Recombinant human IL23 protein ab106889

概述

产品名称	重组人IL23蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	BTI-TN-5B1-4 cells

氨基酸序列

Accession [Q9NPF7](#)

种属 Human

序列
RAVPGGSSPAWTQCQQLSQKLCTLAWSAHLVGHMDLREEGDEETTNDVP
HIQCGDGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSELLPDS
PVGQLHASLLGLSLLQPEGHHWETQQIPSLSPSPWQRLLLRFKILRSL
QAFVAVAAARVFAHGAATLSPIWELKKDVYVVELDWYPDAPGEMVVLTCDT
PEEDGITWTLDQSSEVLGSGKTLTIQVKEFGDAGQYTKHKGGEVLSHSL
LLHKKEDGIWSTDILKDQKEPKNKTFLRCEAKNYSGRFTCWLLTTISTDL
TFSVKSSRGSSDPQGVTCGAATLSAERVRGDNKEYEYSVEQCEDSACPAA
EESLPIEVMVDAVHKLKYENYTSSFFIRDIIKPDPPKNLQLKPLKNSRQV
EVSWEYPDTWSTPHSYFSLTFCVQVQGKSKREKKDRVFTDKTSATVICRK
NASISVRAQDRYSSSWSEWASVPCS

分子量 54 kDa

额外的序列信息 Recombinant Human IL-23 is a heterodimeric protein consisting of the two subunits, p19 (170 amino acids) and p40 (306 amino acids).

技术指标

Our [Abpromise guarantee](#) covers the use of **ab106889** in the following tested applications.

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

生物活性 Biological activity measured by the ability to induce IL-17 secretion by mouse splenocytes.

应用 SDS-PAGE
Functional Studies

内毒素水平 < 0.100 Eu/μg

纯度	> 95 % SDS-PAGE. Purity greater than 95% by SDS-PAGE gel and HPLC analyses. Sterile filtered through a 0.2 micron filter.
形式	Lyophilised

制备和贮存

稳定性和存储 Shipped at 4°C. The lyophilized protein is stable for a few weeks at room temperature. Store at -20°C or -80°C. Avoid freeze / thaw cycle. Please see notes section.

Preservative: None

Constituents: 1X PBS, pH 7.2

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

复溶 Centrifuge the vial prior to opening. Reconstitute in water to a concentration of 0.5-1.0 mg/ml. Do not vortex. This solution can be stored at 2-8°C for up to 1 week. For extended storage, it is recommended to further dilute in a buffer containing a carrier protein (example 0.1% BSA) and store in working aliquots at -20°C to -80°C.

常规信息

功能 Associates with IL12B to form the IL-23 interleukin, an heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to an heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.

组织特异性 Secreted by activated dendritic and phagocytic cells and keratinocytes. Also expressed by dermal Langerhans cells (at protein level).

序列相似性 Belongs to the IL-6 superfamily.

发展阶段 Expressed by newborns dendritic cells.

细胞定位 Secreted. Secreted upon association with IL12B.

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

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