abcam

Product datasheet

Recombinant Human IFN gamma Receptor beta/AF-1 protein (Fc Chimera) ab83988

2 图像

描述

产品名称	重组人IFN gamma Receptor beta/AF-1蛋白(Fc Chimera)
纯度	> 95 % SDS-PAGE.
表达系统	HEK 293 cells
Accession	P38484
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	Theoretical sequence: SQLPAPQHPKIRLYNAEQVLSWEPVALSNSTRPVVYRVQFKY TDSKWF TADIMSIGVNCTQITATECDFTAASPSAGFPMDFNVTLRLRA ELGALH SAWVTMPWFQHYRNVTVGPPENIEVTPGEGSLIIRFSSPFDI ADTSTA FFCYYVHYWEKGGIQQVKGPFRSNSISLDNLKPSRVYCLQVQ AQLLWN KSNIFRVGHLSNISCYETMADASTELQQGSSNTKVDKKVEPK SCDKTH TCPPCPAPELLGGPSVFLFPPKPKDTLMISRTPEVTCVVVDV SHEDPE VKFNWYVDGVEVHNAKTKPREEQYNSTYRVVSVLTVLHQDWL NGKEYK CKVSNKALPAPIEKTISKAKGQPREPQVYTLPPSRDELTKNQ VSLTCL VKGFYPSDIAVEWESNGQPENNYKTTPPVLDSDGSFFLYSKL TVDKSR WQQGNVFSCSVMHEALHNHYTQKSLSLSPGK
氨基酸	28 to 247
额外的序列信息	DNA encoding the signal peptide and extracellular domain of human IFN-gamma R2 (aa 1-247) chain was fused to the Fc region of human IgG1 (aa 93-330). Protein expressed in modified human 293 cells.

技术指标

Our **Abpromise guarantee** covers the use of **ab83988** in the following tested applications.

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

应用	SDS-PAGE
形式	Lyophilized
补充说明	Previously labelled as IFN gamma Receptor beta.

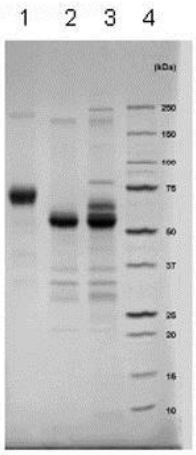
制备和贮存

稳定性和存储	Shipped at 4°C. Store at +4°C. Constituents: 1% Human serum albumin, 10% Trehalose
复溶	It is recommended that 0.5 ml of sterile phosphate-buffered saline be added to the vial. Following reconstitution short-term storage at 4°C is recommended, and longer-term storage of aliquots at -18 to -20°C. Repeated freeze thawing is not recommended.

常规信息

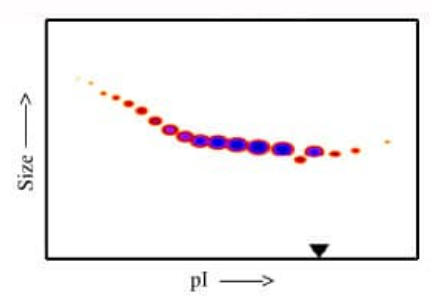
功能	Part of the receptor for interferon gamma. Required for signal transduction. This accessory factor is an integral part of the IFN-gamma signal transduction pathway and is likely to interact with GAF, JAK1, and/or JAK2.
疾病相关	Defects in IFNGR2 are a cause of mendelian susceptibility to mycobacterial disease (MSMD) [MIM:209950]; also known as familial disseminated atypical mycobacterial infection. This rare condition confers predisposition to illness caused by moderately virulent mycobacterial species, such as Bacillus Calmette-Guerin (BCG) vaccine and environmental non-tuberculous mycobacteria, and by the more virulent Mycobacterium tuberculosis. Other microorganisms rarely cause severe clinical disease in individuals with susceptibility to mycobacterial infections, with the exception of Salmonella which infects less than 50% of these individuals. The pathogenic mechanism underlying MSMD is the impairment of interferon-gamma mediated immunity, whose severity determines the clinical outcome. Some patients die of overwhelming mycobacterial disease with lepromatous-like lesions in early childhood, whereas others develop, later in life, disseminated but curable infections with tuberculoid granulomas. MSMD is a genetically heterogeneous disease with autosomal recessive, autosomal dominant or X-linked inheritance.
序列相似性	Belongs to the type II cytokine receptor family. Contains 2 fibronectin type-III domains.
细胞定位	Membrane.

图片



SDS-PAGE - Recombinant Human IFN gamma Receptor beta/AF-1 protein (Fc Chimera) (ab83988)

Lane 1 – ab83988; Lane 2 – ab83988 treated with PNGase F to remove potential N-linked glycans; Lane 3 – ab83988 treated with a glycosidase cocktail to remove potential N- and O-linked glycans; Lane 4 – MW markers. 10 µg of protein was loaded per lane; Gel was stained with Coomassie G250.
Drop in MW after treatment with PNGase F indicates the presence of N-linked glycans. Faint bands in lane 2 and lane 3 are glycosidase enzymes.



Functional Studies - Recombinant Human IFN gamma Receptor beta/AF-1 protein (Fc Chimera) (ab83988)

Post-translational modifications result in protein heterogeneity. The densitometry scan demonstrates the purified human cell expressed protein exists in multiple glycoforms, which differ according to their level of post-translational modification.
The triangle indicates theoretical pI and MW of the protein.

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