

Datasheet for ABIN5709731
IL12B Protein (AA 23-327) (His tag)



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1 Image

Overview

Quantity:	100 µg
Target:	IL12B
Protein Characteristics:	AA 23-327
Origin:	Sheep
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL12B protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	IWELEKNVYV VELDWYPNAP GETVVLTCDT PEEDGITWTS DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK GGEVLSRSL LLHKKEDGIW STDILKDQKE PKAKSFLKCE AKDYS GHFTC SWLTAISTNL KFSVKSSRGS SDPRGVTCGA ASLSAEKVSM DHREYNKYTV ECQEGSACPA AEESLPIEVV MEAVHKLKYE NYTSSFFIRD IIKPDPPKNL QLRPLKNSRQ VEVSWEYPDT WSTPHSYFSL TFCVQVQGKN KREKKLFTDQ TSAKVTCHKD ANIRVQARDR YYSSFWSEWA SVSCS
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	IL12B
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Target Details

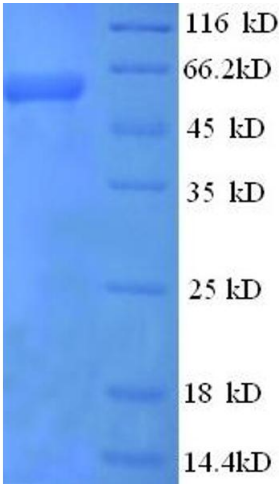
Alternative Name:	IL12B (IL12B Products)
Background:	Cytokine that can act as a growth factor for activated T and NK cells, enhance the lytic activity of NK/lymphokine-activated killer cells, and stimulate the production of IFN-gamma by resting PBMC. Associates with IL23A to form the IL-23 interleukin, a 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 a 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 .
Molecular Weight:	38.6 kDa
UniProt:	P68220
Pathways:	JAK-STAT Signaling , Cellular Response to Molecule of Bacterial Origin , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , Activated T Cell Proliferation

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C, 4 °C, -20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.