

Datasheet for ABIN7596392

IL23 Protein (His tag)



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Overview

Quantity:	250 µg
Target:	IL23
Origin:	Human
Source:	Baculovirus infected Insect Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL23 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	IL12B(p40),IWELKKDVYV VELDWYPDAP GEMVVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK GGEVLSHSL LLHKKEDGIW STDILKDQKE PKNKTLRCE AKNYSGRFTC WWLTTISTDL TFSVKSSRGS SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAA EESLPIEVMV DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT FCVQVQGKSK REKKDRVFTD KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCS,IL23A(p19),RAVPGGSSPA WTQCQQLSQK LCTLAWSAHP LVGHMDLREE GDEETTNDVP HIQCGDGC DP QGLRDNSQFC LQRIHQGLIF YEKLLGSDIF TGEPSELLPDS PVGQLHASLL GLSPLLQPEG HHWETQQIPS LSPSQPWQRL LLRFKILRSL QAFVAVAAARV FAHGAATLSP
Purity:	> 95% by SDS-PAGE
Endotoxin Level:	< 1 EU per 1 µg of protein (determined by LAL method)

Target Details

Target:	IL23
Alternative Name:	IL-23 (IL23 Products)
Background:	IL23 p40 and p19, also known as interleukin-12 subunit beta/interleukin-23 subunit alpha, is a heterodimeric cytokine composed of two disulfide-linked subunit, a p19 subunit that is unique to IL23, and a p40 subunit that is shared with IL12. The p19 subunit has homology to the p35 subunit of IL12, as well as to other single chain cytokines such as IL6 and IL11. It is produced by macrophages and B lymphocytes and has multiple effects on T-cells and NK cells, including stimulation of cytotoxic activity, proliferation, and promotion of Th1 development as well as IFN-gamma and TNF production. Recombinant human IL23 p40 and p19, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.
Molecular Weight:	34.6 kDa (p40, 306aa), 19.5 kDa (p19, 176aa)

Application Details

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

Handling

Format:	Liquid
Concentration:	1 mg/mL
Storage:	4 °C, -20 °C, -80 °C
Storage Comment:	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.