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## Datasheet for ABIN2468659 IL23 Protein

### Overview

Quantity: 0.002 mg

Target: IL23

Origin: Human

Source: Hi-5 Cells

Protein Type: Recombinant

Biological Activity: Active

### Product Details

Sequence: RAVPGGSSPA WTQCQQLSQK LCTLAWSAHP LVGHMDLREE GDEETTNDVP HIQCGDGDGP  
QGLRDNSQFC LQRHQGLIF YEKLLGSDIF TGEPSELLPDS PVGQLHASLL GLSLLQPEG  
HHWETQQIPS LSPSQPWQRL LLRFKILRSL QAFVAVAAARV FAHGAATLSP IWELKKDVVY  
VELDWYPDAP GEMVVLTCDT PEEDGITWTL DQSSEVLGSG KTLTIQVKEF GDAGQYTCHK  
GGEVLSHLL LLHKKEDGIW STDILKDQKE PKNKTFLRCE AKNYSGRFTC WWLTTISTDL  
TFSVKSSRGS SDPQGVTCGA ATLSAERVRG DNKEYEYSVE CQEDSACPAA EESLPIEMV  
DAVHKLKYEN YTSSFFIRDI IKPDPPKNLQ LKPLKNSRQV EVSWEYPDTW STPHSYFSLT  
FCVQVQGKSK REKKDRVFTD KTSATVICRK NASISVRAQD RYYSSSWSEW ASVPCS

Characteristics: Biological activity was measured by its ability to induce IL-17 secretion by mouse splenocytes.

Purity: < 95 % by SDS-PAGE gel and HPLC analyses.

Endotoxin Level: Endotoxin level is less than 0.1 ng per µg (1 EU/µg).

### Target Details

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Alternative Name:	IL-23 ( <a href="#">IL23 Products</a> )
Background:	IL-23 is a proinflammatory heterodimeric protein composed of two subunits, a unique p19 subunit and a p40 subunit, which is shared with IL-12. IL-23 is secreted by activated dendritic cells and macrophages, and signals through a receptor comprised of IL-23R complexed with IL-12R $\beta$ 2. IL-23 has been shown to enhance proliferation of memory T cells. It also stimulates the production of IFN-gamma in NK cells, induces IL-17 production, and drives Th17 mediated responses. Recombinant IL-23 is a 53.5 kDa heterodimeric protein consisting of two subunits, p19 (170 amino acids) and p40 (306 amino acids).*Manufactured using BTI-Tn-5B1-4 cells under license from the Boyce Thompson Institute for Plant Research, Inc.
Gene ID:	51561
NCBI Accession:	<a href="#">NP_057668</a>
OMIM:	7706702
UniProt:	<a href="#">Q9NPF7</a>

## Application Details

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Restrictions: For Research Use only

## Handling

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Format:	Lyophilized
Handling Advice:	As with any protein, exposing IL-23 recombinant protein to repeated freeze / thaw cycles is not recommended. When working with proteins care should be taken to keep recombinant protein at a cool and stable temperature.
Storage:	-20 °C
Storage Comment:	The recombinant protein is stable for at least 2 years from date of receipt at -20 °C. Reconstituted IL-23 stable for at least 3 months when stored in working aliquots with a carrier protein at -20 °C.
Expiry Date:	24 months