



[Go to Product page](#)

Datasheet for ABIN7504447  
**IL23A Protein (AA 20-189) (His tag)**

### Overview

Quantity:	100 µg
Target:	IL23A
Protein Characteristics:	AA 20-189
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This IL23A protein is labelled with His tag.

### Product Details

Purpose:	Human IL-23 alpha & IL-12 beta Protein
Sequence:	Arg20-Pro189 (IL-23 alpha) & Ile23-Ser328 (IL-12 beta)
Specificity:	Uni-Prot: Q9NPF7 (IL-23 alpha), P29460 (IL-12 beta)
Characteristics:	Recombinant Human IL-23 alpha & IL-12 beta Protein is expressed from HEK293 with His tag at the C-terminus. It contains Arg20-Pro189(IL-23 alpha) & Ile23-Ser328(IL-12 beta).
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

### Target Details

Target:	IL23A
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## Target Details

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Alternative Name:	IL-23 alpha ( <a href="#">IL23A Products</a> )
Background:	<p>The interleukin (IL)-12 family of cytokines, including IL12 and IL 23, play an important role in driving aberrant Th1 and Th17 immune responses in patients with Crohn's disease (CD). Targeting this pathway has opened new avenues for therapeutic intervention. The balance of proinflammatory cytokines interleukin (IL)-12 and IL-23 plays a key role in shaping the development of antitumor or protumor immunity.</p>
Molecular Weight:	19.77 kDa (IL-23 alpha) and 34.7 kDa (IL-12 beta). Due to glycosylation, the protein migrates to 23 kDa (IL-23 alpha) and 40-50 kDa (IL-12 beta) based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q9NPF7</a>
Pathways:	<a href="#">Regulation of Leukocyte Mediated Immunity</a> , <a href="#">Positive Regulation of Immune Effector Process</a> , <a href="#">Activated T Cell Proliferation</a>

## Application Details

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Restrictions:	For Research Use only
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## Handling

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Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22 µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months