

# Human IL-23 P19/IL-23A Protein

Cat. No. IL2-HM219

## Description

<b>Source</b>	Recombinant Human IL-23 P19/IL-23A Protein is expressed from HEK293 with hFc tag at the C-Terminus. It contains Arg20-Pro189.
<b>Accession</b>	Q9NPF7
<b>Molecular Weight</b>	The protein has a predicted MW of 45.43 kDa. Due to glycosylation, the protein migrates to 50-60 kDa based on Tris-Bis PAGE result.
<b>Endotoxin</b>	Less than 1EU per $\mu\text{g}$ by the LAL method.
<b>Purity</b>	> 95% as determined by Tris-Bis PAGE

## Formulation and Storage

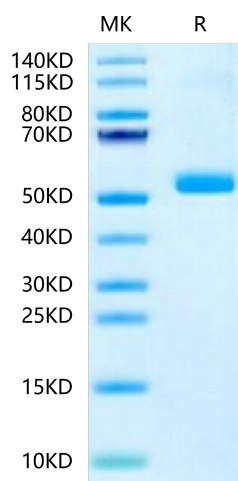
<b>Formulation</b>	Lyophilized from 0.22 $\mu\text{m}$ filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
<b>Reconstitution</b>	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 $\mu\text{g}/\text{ml}$ is recommended. Dissolve the lyophilized protein in distilled water.
<b>Storage</b>	-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.

## Background

IL-23 is a heterodimeric cytokine composed of a unique p19 subunit and a common p40 subunit is shared with IL-12. IL-23 promotes the inflammatory response by inducing the expansion of CD4(+) cells producing IL-17.

## Assay Data

### Tris-Bis PAGE



Human IL-23 P19 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.