

## 32-18160: Recombinant Human IL23A & IL12B Heterodimer Protein, hFc Tag & His Tag

**Uniprot ID :** Q9NPF7;P29460

**Alternative Name :** IL-23; IL-23A; IL23P19; P19; SGRF & CLMF; CLMF2; IL-12B; IMD28; IMD29; NKSF; NKSF2

### Description

Molecular Characterization: IL23A(Arg20-Pro189) hFc(Glu99-Ala330)and IL12B(Ile23-Ser328) 6 $\text{Å}$ —His tag

Molecular weight: The protein has a predicted molecular mass of 44.8 and 35.5 kDa after removal of the signal peptide. The apparent molecular mass of IL23A-hFc and IL12B-His is approximately 35-55 kDa due to glycosylation.

Description: Recombinant human IL23A protein with C-terminal human Fc tag and human IL12B protein with C-terminal 6 $\text{Å}$ —His tag

Interleukin-23 subunit alpha (IL-23 alpha) can associates with IL12B 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.

### Product Info

**Amount :** 100  $\mu\text{g}$  / 50  $\mu\text{g}$

**Content :** Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization.

**Storage condition :** Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.