HUMAN IL23A PROTEIN, HFC TAG

Cat.#: 11851

Product Name: Human IL23A Protein

Size : 10 µg, 50 µg and 100 µg

Synonyms: IL-23;IL-23A;IL23P19;P19;SGRF

Target: IL23A

UNIPROT ID: Q9NPF7

Description: Recombinant Human IL23A Protein with C-terminal human Fc tag

Background: This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4( ) T cells, IL23 preferentially acts on memory CD4( ) T cells. [provided by RefSeq, Jul 2008]

Species/Host: HEK293

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

Molecular Characterization: IL23A(Arg20-Pro189) hFc(Glu99-Ala330)

Purity: The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.

Formulation & Reconstitution: Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5% – 8% trehalose is added as protectants before lyophilization.

Storage & Shipping: 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.

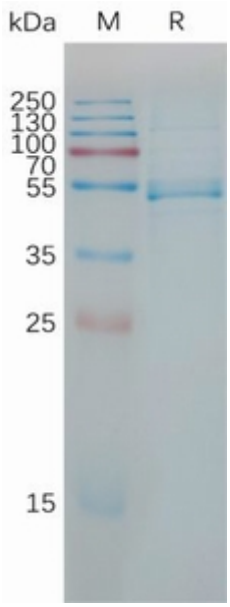

Figure 1. Human IL23A Protein, hFc Tag on SDS-PAGE under reducing condition.