

IL-23 Protein, Human, Recombinant (His)

General Information

Synonyms:	IL23P19;P19;SGRF;IL-23;IL-23A;IL23
Protein Construction:	A DNA sequence encoding the human IL23 complex composed of IL12B (NP_002178.2)(Met1-Ser328) and the mature form of human IL23A (NP_057668.1) (Arg20-Pro189) linked by a polypeptide linker was fused with a polyhistidine tag at the C-terminus. Predicted N terminal: Ile 23
Species:	Human
Expression Host:	HEK293 Cells
Accession:	NP_002178.2&NP_057668.1
Molecular Weight:	55.8 kDa (predicted); 58.3 kDa (reducing conditions)

QC Testing

Biological Activity:	Measured by its ability to induce IL17 secretion by mouse splenocytes. The ED50 for this effect is 0.5-5ng/mL.
Purity:	> 90 % as determined by SDS-PAGE.
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:	Reconstituted with sterile deionized water to 1 mg/mL. Reconstitution conditions may vary depending on the lot.
Stability & Storage:	It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots. <small>Actual storage temperature shall be subject to the COA.</small>
Shipping:	In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

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