

Human IL-23 (IL12B & IL23A Heterodimer) Protein (His Tag)

Catalog Number: CT048-H08H



Sino Biological
Biological Solution Specialist

General Information

Gene Name Synonym:

IL-23; IL-23A; IL23; IL23P19; P19; SGRF

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.

Source: Human

Expression Host: HEK293 Cells

QC Testing

Purity: > 90 % as determined by SDS-PAGE.

Bio Activity:

**Measured by its ability to induce IL17 secretion by mouse splenocytes.
The ED₅₀ for this effect is 0.5-5ng/mL.**

Endotoxin:

< 1.0 EU per µg protein as determined by the LAL method.

Predicted N terminal: Ile 23

Molecular Mass:

The recombinant human IL23(IL23A&IL12B) consists of 502 amino acids and predicts a molecular mass of 55.8 kDa. The apparent molecular mass of human IL23 heterodimer is approximately 58.3 kDa respectively in SDS-PAGE under reducing conditions.

Formulation:

Lyophilized from sterile PBS, pH 7.4.

Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA. Please contact us for any concerns or special requirements.

Usage Guide

Stability & Storage:

Samples are stable for twelve months from date of receipt at -20°C to -80°C.

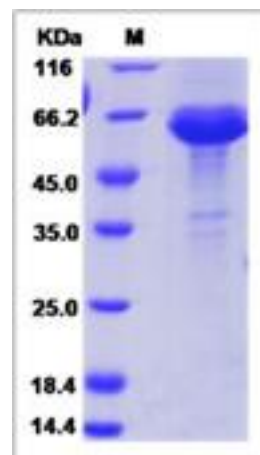
Store it under sterile conditions at -20°C to -80°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

Avoid repeated freeze-thaw cycles.

Reconstitution:

Detailed reconstitution instructions are sent along with the products.

SDS-PAGE:



For Research Use Only. Not for use in diagnostic or therapeutic procedures.

Tel: +86-400-890-9989 (Global), +1-215-583-7898 (USA), +49(0)6196 9678656 (Europe)

Website: <http://www.sinobiological.com>