Recombinant Human IL-23

Catalog Number: OM643790

Characteristics:

Source	Chinese Hamster Ovary cell line
Description	Recombinant human IL-23 is composed of P40 (Ile23-Ser328) and P19 (Arg23-Pro189) subunits ,which linked by GS-linker （GSGSSRGGSGSGGSGGGGSKL） Accession # P29460(P40), AAG37232(P19)
Predicted molecular mass	55.0 kDa (IL-23 single chain); 36.5 kDa (p40) & 18.5 kDa (p19)

Specification:

Appearance	White powder, Colorless clear liquid after reconstitution
Purity	≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin	≤10 EU/mg by the LAL method
Activity	Measured by its ability to induce Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED_{50} for this effect is ＜0.5 μg/mL.
Formulation	Lyophilized from a 0.22 μm-filtered solution containing PBS, 5% mannitol and 0.01% Tween 80, pH 7.4
Size	50 μg/vial, 1 mg/vial

Handling and Storage:

Reconstitution	It is recommended to redissolve in sterile deionized water.
Shipping	The product is shipped with blue ice.
Storage & Stability	36 months at -20°C to -80°C in lyophilized state 6 months at -20°C to -80°C under sterile conditions after reconstitution 7-10 days at 2°C to 8°C under sterile conditions after reconstitution **Use a manual defrost freezer and avoid repeated freeze-thaw cycles.**