

Recombinant Human Interleukin-23 (rHuIL-23)

PrimeGene Technical DataSheet

Catalog Number:	101-23			
Source:	<i>Spodoptera frugiperda</i> , Sf 21 (baculovirus)			
Molecular Weight:	Apparent molecular mass of 65 kDa, 43-45 kDa and 20 kDa in SDS-PAGE under reducing conditions.			
Quantity:	10µg/100µg			
AA Sequence:	<table border="1"><tr><td>rHuIL-23 p40 Ile23-Ser328 Accession # P29460 N-terminus</td><td>GSGSSRGGSGSGGGGSKL</td><td>rHuIL-23 p19 Ala21-Pro189 Accession # AAG37232 C-terminus</td></tr></table>	rHuIL-23 p40 Ile23-Ser328 Accession # P29460 N-terminus	GSGSSRGGSGSGGGGSKL	rHuIL-23 p19 Ala21-Pro189 Accession # AAG37232 C-terminus
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Purity:	> 95 % by SDS-PAGE analyses.			
Biological Activity:	Measured by its ability to induce IL-17 secretion by mouse splenocytes. The ED ₅₀ for this effect is 0.05-0.3 ng/mL.			
Physical Appearance:	Sterile Filtered White lyophilized (freeze-dried) powder.			
Formulation:	Lyophilized from 0.2 µm filtered concentrated sterile solution in 20 mM MES, pH 6.0, 500 mM NaCl and 1 mM EDTA.			
Endotoxin:	Less than 1.0 EU/µg of rHuIL-23 as determined by LAL method.			
Reconstitution:	Prior to opening, it is recommended to centrifuge the vial briefly to bring the contents down the bottom. Reconstitute in sterile PBS to a concentration of 10 µg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.			
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.			
Stability & Storage:	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none">● 12 months from date of receipt, -20 to -70 °C as supplied.● 1 month, 2 to 8 °C under sterile conditions after reconstitution.● 3 months, -20 to -70 °C under sterile conditions after reconstitution.			
Usage:	This material is offered by Shanghai PrimeGene Bio-Tech for research, laboratory or further evaluation purposes. NOT FOR HUMAN USE.			

Human Interleukin-23

Interleukin 23 (IL-23) is a heterodimeric cytokine composed of two disulfide-linked subunits, a p19 subunit that is unique to IL-23, and a p40 subunit that is shared with IL-12 (1-5). The p19 subunit has homology to the p35 subunit of IL-12, as well as to other single chain cytokines such as IL-6 and IL-11. The p40 subunit is homologous to the extracellular domains of the hematopoietic cytokine receptors. Human p19 cDNA encodes a 189 amino acid residue (aa) precursor protein with a putative 19 aa signal peptide and 170 aa mature protein. Human and mouse p19 share 70% aa sequence identity.