

Recombinant Rat IL23a&IL12b

Cat. No. IL23a&IL12b-556R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the rat IL23A (NP_569094.1) (Met1-Ala196) was fused with a polyhistidine tag at the C-terminus, constructed the plasmid 1; A DNA sequence encoding the rat IL12B (EDM04146.1) (Met1-Ser335) was expressed with a polyhistidine tag at t
Species	Rat
Source	Human Cells
ProteinLength	Met1-Ala196 & Met1-Ser335
Form	Lyophilized from sterile PBS, pH7.4.
Molecular Mass	The recombinant rat IL23A & the rat IL12B comprises 510 (186+324) amino acids and has a calculated molecular mass of 58.2 (21+37.2) KDa. The apparent molecular mass of the rat IL23A & the rat IL12B heterodimer is approximately 47.08, 43.29, 27.67 and 24.75 KDa respectively in SDS-PAGE.
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	(17.9+53.5+2.9+23.8) % as determined by SDS-PAGE
Stability	Samples are stable for up to twelve months from date of receipt at -70°C
Storage	Store it under sterile conditions at -70°C. It is recommended that the protein be

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aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution Hardcopy of COA with reconstitution instruction is sent along with the products.

GENE INFORMATION

Gene Name	Il23a Interleukin 23, alpha subunit p19 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Il23a&Il12b
Synonyms	Il23a; Interleukin 23, alpha subunit p19; interleukin-23 subunit alpha; IL-23-A; IL-23p19; IL-23 subunit alpha; interleukin-23 subunit p19
Gene ID	155140
mRNA Refseq	NM_130410
Protein Refseq	NP_569094
UniProt ID	Q91Z84
Chromosome Location	7q11
Pathway	Cytokine-cytokine receptor interaction; Inflammatory bowel disease (IBD); Rheumatoid arthritis
Function	cytokine activity; interleukin-23 receptor binding; contributes_to interleukin-23 receptor binding

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