

Recombinant Mouse Il23a Protein, His-tagged

Cat. No. Il23a-2305M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Il23a Protein (Met23-Ser335+IGSGSSRGGSGSGSGGGGSK+Leu20-Ala196) with a N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met23-Ser335+IGSGSSRGGSGSGSGGGGSK+Leu20-Ala196
Description	Contributes to interleukin-23 receptor binding activity. Involved in positive regulation of defense response to virus by host; positive regulation of immune response; and positive regulation of neutrophil chemotaxis. Acts upstream of or within T cell proliferation and positive regulation of transcription by RNA polymerase II. Located in extracellular space. Part of interleukin-23 complex. Is expressed in decidua; decidua basalis; embryo; and extraembryonic component. Orthologous to human IL23A (interleukin 23 subunit alpha).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 60.9 kDa Accurate Molecular Mass: 62 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	IL23a interleukin 23, alpha subunit p19 [Mus musculus (house mouse)]
Official Symbol	IL23a
Synonyms	IL23a; interleukin 23, alpha subunit p19; p19; IL-23; interleukin-23 subunit alpha IL-23 subunit alpha IL-23-A IL-23p19 interleukin-23 subunit p19
Gene ID	83430

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq [NM_031252](#)

Protein Refseq [NP_112542](#)

UniProt ID [Q9EQ14](#)



Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA