



Recombinant Rat Interleukin-23 subunit alpha (Il23a)

Product Code	CSB-EP852813RA
Abbreviation	Il23a
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q91Z84
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	VPRSSSPDW AQCQQLSRNL CTLAWSAHTP VGQMDLLREE GEEETKSDVP RIQCGDGDGP QGLKDNSQFC LQRIRQGLVF YKHLLDSDIF TGEPSELLPDS PVDQLHTSLL GLSLLQPED HHWETQQMPR LSPSQWQRS LLRSKILRSL QAFLAIAARV FAHGAATLTE PLVPTA
Source	E.coli
Target Names	Il23a
Protein Names	Recommended name: Interleukin-23 subunit alpha Short name= IL-23 subunit alpha Short name= IL-23-A Alternative name(s): Interleukin-23 subunit p19 Short name= IL-23p19
Expression Region	22-196
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is composed of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by the beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can activate the transcription activator STAT4, and stimulate the production of interferon-gamma (IFNG). In contrast to IL12, which acts mainly on naive CD4(+) T cells, IL23 preferentially acts on memory CD4(+) T cells.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.



Shelf Life

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