



# Recombinant Human Interleukin-23 subunit alpha (IL23A)

<b>Product Code</b>	CSB-EP868278HU
<b>Abbreviation</b>	IL23A
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q9NPF7
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	R AVPGGSSPAW TQCQQLSQKL CTLAWSAHPL VGHMDLREEG DEETTNDVPH IQCGDGCDPQ GLRDNSQFCL QRIHQGLIFY EKLLGSDIFT GEPSSLPDSP VGQLHASLLG LSQLLQPEGH HWETQQIPSL SPSQPWQRLL LRFKILRSLQ AFVAVAARVF AHGAATLSP
<b>Source</b>	E.coli
<b>Target Names</b>	IL23A
<b>Protein Names</b>	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
<b>Expression Region</b>	20-189
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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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