Bioactive HuPro®

IL23A (Human) Recombinant protein

Catalog # P8807 Size 2 x 10 ug

Specification

Product Description	Human IL23A (Q9NPF7) recombinant protein expressed in HEK293 cells.
Host	Human
Theoretical MW (kDa)	55
Form	Lyophilized
Preparation Method	HEK 293T cell expression system
Purity	> 95% by SDS-PAGE.
Activity	The activity, as determined by the dose dependent secretion of IL-17 in response to IL-23 using muri ne splenocytes, the ED_{50} is 1.9 ng/mL.
Storage Buffer	Lyophilized from 1X PBS.
Storage Instruction	Lyophilized although stable at room temperature for 3 weeks. should be stored desiccated below -20 °C. Upon reconstitution should be stored at 4°C between 2-7 days and for future use below -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — IL23A

Entrez GeneID	51561

Protein Accession#	Q9NPF7
Gene Name	IL23A
Gene Alias	IL-23, IL-23A, IL23P19, MGC79388, P19, SGRF
Gene Description	interleukin 23, alpha subunit p19
Omim ID	605580
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a subunit of the heterodimeric cytokine interleukin 23 (IL23). IL23 is compose d of this protein and the p40 subunit of interleukin 12 (IL12B). The receptor of IL23 is formed by th e beta 1 subunit of IL12 (IL12RB1) and an IL23 specific subunit, IL23R. Both IL23 and IL12 can ac tivate 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. [provided by RefSeq
Other Designations	JKA3 induced upon T-cell activation|interleukin 23 p19 subunit

Pathway

- Cytokine-cytokine receptor interaction
- Jak-STAT signaling pathway

Disease

- Arthritis
- Crohn Disease
- Genetic Predisposition to Disease
- Hepatitis C
- Psoriasis
- Scleroderma