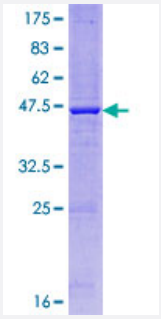
Full-Length

IL23A (Human) Recombinant Protein (P01)

Catalog # H00051561-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human IL23A full-length ORF (NP_057668.1, 1 a.a. - 189 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MLGSRAVMLLLLLPWTAQGRAVPGGSSPAWTQCQQLSQKLCTLAWSAHPLVGHMDLREEGDE ETTNDVPHIQCGDGCDPQGLRDNSQFCLQRIHQGLIFYEKLLGSDIFTGEPSLLPDSPVGQLHASL LGLSQLLQPEGHHWETQQIPSLSPSQPWQRLLLRFKILRSLQAFVAVAARVFAHGAATLSP
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	47.1
Interspecies Antigen Sequence	Mouse (75)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — IL23A

Entrez GeneID	51561
GeneBank Accession#	NM_016584.2
Protein Accession#	NP_057668.1
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

Publication Reference

- Damage effect of interleukin (IL)-23 on oxygen-glucose-deprived cells of the neurovascular unit via IL-23 receptor.

  Wang M, Zhong D, Zheng Y, Li H, Chen H, Ma S, Sun Y, Yan W, Li G.

  Neuroscience 2015 Mar; 289:406.

  Application: Treatment, Rat, Brain microvascular endothelial cells

Pathway

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

Disease

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