

## Product datasheet for TP501920

### Il23a (NM\_031252) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse interleukin 23, alpha subunit p19 (Il23a), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR201920 protein sequence Red=Cloning site Green=Tags(s)  MLDCRAVIMLWLLPWVTQGLAVPRSSPDWAQCQQLSRNLCMLAWNAHAPAGHMNLLREEEDEETKNNVP RIQCEDGCDPQGLKDNSQFCLQRIRQGLAFYKHLLEDSDIFKGEALLPDSPMEQLHTSLLGLSLLQPED HPRETQQMPSLSSSQWQRPLLRKILRSLQAFIAARVFAHGAATLTEPLVPTA  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	22.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C after receiving vials.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_112542</a>
Locus ID:	83430
UniProt ID:	<a href="#">Q9EQ14</a>
RefSeq Size:	1359
Cytogenetics:	10 D3



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RefSeq ORF: 591

Synonyms: IL-23; p19

**Summary:** Associates with IL12B to form the IL-23 interleukin, a heterodimeric cytokine which functions in innate and adaptive immunity. IL-23 may constitute with IL-17 an acute response to infection in peripheral tissues. IL-23 binds to a heterodimeric receptor complex composed of IL12RB1 and IL23R, activates the Jak-Stat signaling cascade, stimulates memory rather than naive T-cells and promotes production of proinflammatory cytokines. IL-23 induces autoimmune inflammation and thus may be responsible for autoimmune inflammatory diseases and may be important for tumorigenesis.[UniProtKB/Swiss-Prot Function]