

Product datasheet for MC201218

Il23a (NM_031252) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Il23a (NM_031252) Mouse Untagged Clone
Tag: Tag Free
Symbol: Il23a
Synonyms: IL-23; p19
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC019953 sequence for NM_031252
TACAGAGTTAGACTCAGAACCAAAGGAGGTGGATAGGGGGTCCACAGGCCTGGTGCAGATCACAGAGCCA
GCCAGATCTGAGAAGCAGGGAACAAGATGCTGGATTGCAGAGCAGTAATAATGCTATGGCTGTTGCCCTG
GGTCACTCAGGGCCTGGCTGTGCCTAGGAGTAGCAGTCCTGACTGGGCTCAGTGCCAGCAGCTCTCTCGG
AATCTCTGCATGCTAGCCTGGAACGCACATGCACCAGCGGGACATATGAATCTACTAAGAGAAGAAGAGG
ATGAAGAGACTAAAAATAATGTGCCCGTATCCAGTGTGAAGATGGTTGTGACCCACAAGGACTCAAGGA
CAACAGCCAGTTCTGCTTGCAAAGGATCCGCCAAGGTCTGGCTTTTTATAAGCACCTGCTTGACTCTGAC
ATCTTCAAAGGGGAGCCTGCTCTACTCCCTGATAGCCCCATGGAGCAACTTCACACCTCCCTACTAGGAC
TCAGCCAACCTCCAGCCAGAGGATCACCCCGGGAGACCCAACAGATGCCAGCCTGAGTTCTAGTCA
GCAGTGGCAGCGCCCCCTTCTCCGTTCCAAGATCCTTCGAAGCCTCCAGGCCTTTTTGGCCATAGCTGCC
CGGGTCTTTGCCACGGAGCAGCAACTCTGACTGAGCCCTTAGTGCCAACAGCTTAAGGATGCCAGGTT
CCCATGGCTACCATGATAAGACTAATCTATCAGCCAGACATCTACCAGTTAATTAACCCATTAGGACTT
GTGCTGTTCTTGTGTTTTGTTTTGCGTGAAGGGCAAGGACACCATTATTAAGAGAAAAGAAACAAAC
CCCAGAGCAGGCAGCTGGCTAGAGAAAAGGAGCTGGAGAAGAAGAAATAAGTCTCGAGCCCTTGGCCTTGG
AAGCGGGCAAGCAGCTGCGTGGCCTGAGGGGAAGGGGGCGGTGGCATCGAGAAACTGTGAGAAAACCCAG
AGCATCAGAAAAAGTGAGCCAGGCTTTGGCCATTATCTGTAAGAAAAACAAGAAAAGGGGAACATTATA
CTTTCCTGGGTGGCTCAGGGAATGTGCAGATGCACAGTACTCCAGACAGCAGCTCTGTACCTGCCTGCT
CTGTCCCTCAGTTCTAACAGAATCTAGTCACTAAGAACTAACAGGACTACCAATACGAACTGACAAATAC
TACCATATGACCTGTGACAAAGCTGCATATTTATTAAGTGGGAAGGGAACCTTTTGATATTATTTATCCT
TGTAACAGTATAGATGATGGTTATTTATTTATTTATAAGGAATTATGTATTTTTTTTTTCAATAAAGAT
TTATTTATGTGGCTAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_031252
Insert Size: 591 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	BC019953 , AAH19953
RefSeq Size:	1359 bp
RefSeq ORF:	591 bp
Locus ID:	83430
UniProt ID:	Q9EQ14
Cytogenetics:	10 D3
Gene 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]