

Product datasheet for MR226176

Il12b (NM_008352) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Il12b (NM_008352) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Il12b
Synonyms:	Il-12b; Il-12p40; Il12p40; p40
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226176 representing NM_008352 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTGTCCTCAGAAGCTAACCATCTCCTGGTTTGCCATCGTTTTGCTGGTGTCTCCACTCATGGCCATGT
GGGAGCTGGAGAAAGACGTTTATGTTGTAGAGGTGGACTGGACTCCCGATGCCCTGGAGAAACAGTGAA
CCTCACCTGTGACACGCCTGAAGAAGATGACATCACCTGGACCTCAGACCAGAGACATGGAGTCATAGGC
TCTGAAAAGACCCTGACCATCACTGTCAAAGATTTCTAGATGCTGGCCAGTACACCTGCCACAAAGGAG
GCGAGACTCTGAGCCACTCACATCTGCTGCTCCACAAGAAGGAAAATGGAATTTGGTCCACTGAAATTTT
AAAAAATTTCAAAAACAAGACTTTCTGAAGTGTGAAGCACCAAATTAATCCGGACGGTTCACGTGCTCA
TGGCTGGTGCAAAGAAACATGGACTTGAAGTTCAACATCAAGAGCAGTAGCAGTTCCCTGACTCTCGGG
CAGTGACATGTGGAATGGCGTCTCTGTCTGAGAGAAGGTCACTGGACCAAAGGGACTATGAGAAGTA
TTCAGTGTCTGCCAGGAGGATGTACCTGCCCAACTGCCGAGGAGACCTGCCATTGAACTGGCGTTG
GAAGCACGGCAGCAGAATAAATATGAGAACTACAGCACCAGCTTCTTCATCAGGGACATCATCAAACAG
ACCCGCCAAGAACTTGAGATGAAGCCTTTGAAGAACTCACAGGTGGAGGTCAGCTGGGAGTACCTGA
CTCCTGGAGCACTCCCCATTCTACTTCTCCCTCAAGTCTTTGTTGGAATCCAGCGCAAGAAAGAAAAG
ATGAAGGAGACAGAGGAGGGGTGAACCAAGAAAGGTGCGTTCCTCGTAGAGAAGACATCTACCGAAGTCC
AATGCAAAGGCGGGAATGTCTGCGTGCAAGCTCAGGATCGCTATTACAATTCCTCATGCAGCAAGTGGGC
ATGTGTTCCCTGCAGGTCGATCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226176 representing NM_008352
Red=Cloning site Green=Tags(s)

MCPQKLTISWFAIVLLVSPLMAMWELEKDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSQRHGVI
 SGKTLTITVKEFLDAGQYTC HKGGETLSHSHLLLHKKENGIWSTEILKNFKNKTFLKCEAPNYSGRFTCS
 WLVRNMDLKFNIKSSSSSPDSRAVTCGMASLSAEKVTLDQRDYEKYSVSCQEDVTCPTAEETLPIELAL
 EARQQNKYENYSTSFFIRDIIKPDPPKNLQMKPLKNSQVEVSWEYPDSWSTPHSYFSLKFFVRIQRKKEK
 MKETEEGCNQKGAFLVEKTSTEVQCKGGNVCVQAQDRYINSSCSKWACVPCRVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9008_b03.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_008352

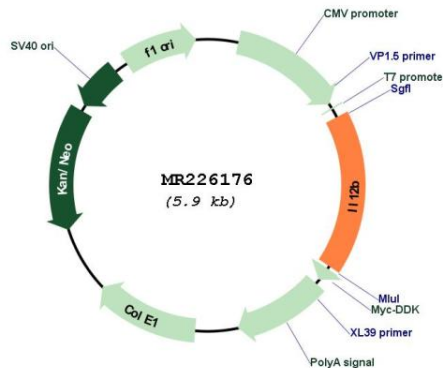
ORF Size: 1005 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<u>NM_008352.2</u> , <u>NP_032378.1</u>
RefSeq Size:	1951 bp
RefSeq ORF:	1008 bp
Locus ID:	16160
Cytogenetics:	11 25.94 cM
MW:	38.7 kDa
Gene Summary:	This gene encodes the beta subunit p40 of the Interleukin 12 (IL-12) family of cytokines. Members of the IL-12 family form heterodimers consisting of heavy and light subunits linked by disulfide bonds. The product of this gene, p40, is a subunit of interleukins IL-12 and IL-23. [provided by RefSeq, Dec 2014]

Product images:



Circular map for MR226176