

## Product datasheet for MR229312

### Il12b (NM\_001303244) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Il12b (NM\_001303244) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Il12b  
**Synonyms:** Il-1; Il-12; Il-12b; Il-12p40; Il12p40; p40  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR229312 representing NM\_001303244  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGTCCTCAGAAGCTAACCATCTCCTGGTTTGCCATCGTTTTGCTGGTGTCTCCACTCATGGCCATGT  
 GGGAGCTGGAGAAAGACGTTTATGTTGTAGAGGTGGACTGGACTCCCGATGCCCTGGAGAAACAGTGAA  
 CCTCACCTGTGACACGCCTGAAGAAGATGACATCACCTGGACCTCAGACCAGAGACATGGAGTCATAGGC  
 TCTGGAAAGACCCCTGACCATCACTGTCAAAGAGTTTCTAGATGCTGGCCAGTACACCTGCCACAAAGGAG  
 GCGGAGACTCTGAGCCACTCACATCTGCTGCTCCACAAGAAGGAAAATGGAATTTGGTCCACTGAAATTTT  
 AAAAAATTTCAAAAACAAGACTTTCTGAAGTGTGAAGCACCAAATTACTCCGGACGGTTACGCTGCTCA  
 TGGCTGGTGCAAAGAAACATGGACTTGAAGTTCACATCAAGAGCAGTAGCAGTTCCCCTGACTCTCGGG  
 CAGTGACATGTGGAATGGCGTCTCTGTCTGCAGAGAAGGTCACACTGGACCAAAGGGACTATGAGAAGTA  
 TTCAGTGTCTGCCAGGAGGATGTCACCTGCCAACTGCCGAGGAGACCCCTGCCATTGAACTGGCGTTG  
 GAAGCACGGCAGCAGAATAAATATGAGAACTACAGCACCAGCTTCTTCATCAGGGACATCAAACCAG  
 ACCCGCCCAAGAACTTGCAGATGAAGCCTTTGAAGAAGTACAGGTGGAGGTCAGTGGGAGTACCCTGA  
 CTCTGGAGCACTCCCATTCTACTTCTCCCTCAAGTTCTTTGTTGGAATCCAGCGCAAGAAAGAAAAG  
 ATGAAGGAGACAGAGGAGGGGTGAACCAAGAAAGTGCCTTCTCGTAGAGAAGACATCTACCGAAGTCC  
 AATGCAAAGGCGGGAATGTCTGCGTGCAAGCTCAGGATCGCTATTACAATTCCTCATGCAGCAAGTGGGC  
 ATGTGTTCCCTGCAGGTCCGATCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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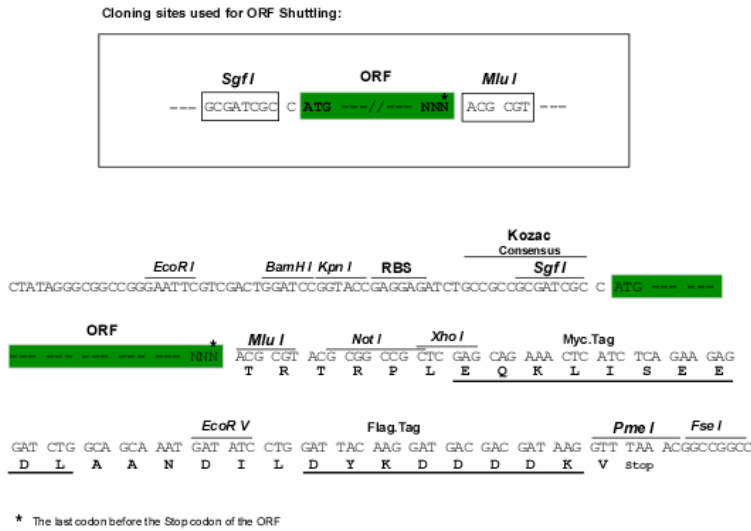
**Protein Sequence:** >MR229312 representing NM\_001303244  
Red=Cloning site Green=Tags(s)

MCPQKLTISWFAIVLLVSPLMAMWELEKDVYVVEVDWTPDAPGETVNLTCDTPEEDDITWTSQQRHGVIG  
 SGKTLTITVKEFLDAGQYTCHKGGETLSHSHLLLHKKENGIWSTEILKNFKNKTFLKCEAPNYSGRFTCS  
 WLVRNMDLKFNIKSSSSSPDSRAVTCGMASLSAEKVTLDQRDYEKYSVSCQEDVTCPTAEETLPIELAL  
 EARQQNKYENYSTSFFIRDIIKPDPPKNLQMKPLKNSQVEVSWEPDWSWTPHSYFSLKFFVRIQRKKEK  
 MKETEEGCNQKGAFLVEKTSTEVQCKGGNVCVQAQDRYINSSCSKWACVPCRVR

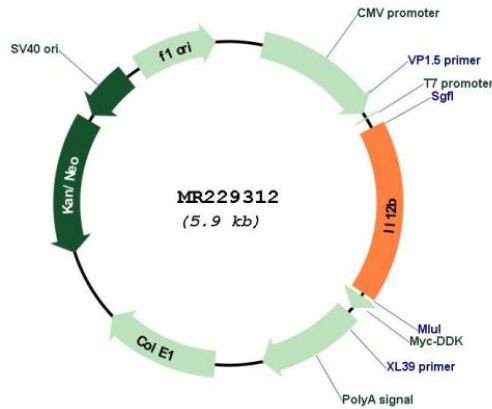
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001303244

**ORF Size:** 1005 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001303244.1</a> , <a href="#">NP_001290173.1</a>
<b>RefSeq Size:</b>	2505 bp
<b>RefSeq ORF:</b>	1008 bp
<b>Locus ID:</b>	16160
<b>UniProt ID:</b>	<a href="#">P43432</a>
<b>Cytogenetics:</b>	11 25.94 cM
<b>MW:</b>	38.7 kDa
<b>Gene Summary:</b>	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]