

Product datasheet for MR226719

IL1b (NM_008361) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	IL1b (NM_008361) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	IL1b
Synonyms:	IL-; IL-1b; IL-1beta
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR226719 representing NM_008361 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAACTGTTCTGAACTCAACTGTGAAATGCCACCTTTTGACAGTGATGAGAATGACCTGTTCTTTG
AAGTTGACGGACCCAAAAGATGAAGGGCTGCTTCAAACCTTTGACCTGGGCTGTCCAGATGAGAGCAT
CCAGCTTCAAATCTCACAGCAGCACATCAACAAGAGCTTCAGGCAGGCAGTACTACTTGTGGCTGTG
GAGAAGCTGTGGCAGCTACCTGTGTCTTCCCGTGGACCTTCCAGGATGAGGACATGAGCACCTTTTT
CCTTCATCTTTGAAGAAGAGCCCATCCTCTGTGACTCATGGGATGATGATAACCTGCTGGTGTGTGA
CGTTCCATTAGACAGCTGCACTACAGGCTCCGAGATGAACAACAAAAAGCCTCGTGTGTCGGACCCA
TATGAGCTGAAAGCTCTCCACCTCAATGGACAGAATATCAACCAACAAGTATTTCTCCATGAGCTTTG
TACAAGGAGAACCAAGCAACGACAAAAATACCTGTGGCCTTGGGCCTCAAAGGAAAGAATCTATACCTGTC
CTGTGTAATGAAAGACGGCACACCCACCCTGCAGCTGGAGAGTGTGGATCCCAAGCAATACCCAAAGAAG
AAGATGGAAAAGCGGTTTGTCTTCAACAAGATAGAAGTCAAGAGCAAAGTGGAGTTTGTGCTGCAGAGT
TCCCAACTGGTACATCAGCACCTCACAAGCAGAGCACAAGCCTGTCTTCTGGGAAACAACAGTGGTCA
GGACATAATTGACTTCACCATGGAATCTGTGTCTTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR226719 representing NM_008361
Red=Cloning site Green=Tags(s)

MATVPELNCEMPFFDSNDLFFEVDGPPQMKMGCFQTFDLGCPDESIQLQISQQHINKSFRQAVSLIVAV
 EKLWQLPVSFPWTFQDEDMSTFFSFI FEEEPILCDSWDDDDNLLVCDVP IRQLHYRLRDEQQKSLVLSDP
 YELKALHLNGQINQVIFSMSFVQGEPSNDKIPVALGLKGNL YLSCVMKDGTPTLQLESVDPKQYPKK
 KMEKRFVFNKIEVKSKVEFESAEPNWIYSTSQAEHKPVFLGNNSGQDIIDFTMESVSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9008_c09.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_008361

ORF Size: 807 bp

OTI Disclaimer: 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:

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: [NM_008361.2](#)

RefSeq Size: 1328 bp

RefSeq ORF: 810 bp

Locus ID: 16176

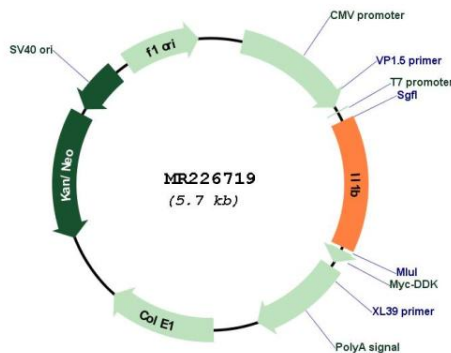
UniProt ID: [P10749](#)

Cytogenetics: 2 62.97 cM

MW: 31.4 kDa

Gene Summary: The protein encoded by this gene is a member of the interleukin 1 cytokine family. This cytokine is produced by activated macrophages as a proprotein, which is proteolytically processed to its active form by caspase 1. The encoded protein plays a role in thymocyte proliferation and is involved in the inflammatory response. [provided by RefSeq, Aug 2015]

Product images:



Circular map for MR226719