

Product datasheet for **MG224241**

Ivl (NM_008412) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ivl (NM_008412) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ivl
Synonyms:	1110019C06Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG224241 representing NM_008412
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCCCATCAACACACACTGCCAGTGACTGTTCCAGCTGTGGTTCAGGGACCTCTCAAGACTGTGTGTT
 CTCAGATCATATCCAGCAGGAACAAGCAACCAACTCCACATCCTACACAATGCCAGGTCTTCAC
 TGAGATTC AAGAGAAGGGCTTTCCCAAACATGAGGAGAAGCGGCCAAACCTGTGAAGGATCTGCCTGAT
 CAAAAGTGTGAGCACCAGCAGCAGCCAGGACCACAAAAGCAGCAGCTGCAGGTGAAAAAGTACAGCAGG
 AGCTGCAGGAACAGGAAGTGCATCTGGAGAAGCAGCAGCTACCACAAGAGCCCCAGGGGCTCCTGTGCCT
 GGAACAACAACAGCAGCAAGAGCCACAAATGCAAGAACAGCACCTCAGACAGCAGCAGCAGCAGCAGCAG
 CAG
 AGAAGCAGCAGCAGCAGCAGCAAGACATGCTAGTACCACAGGAGCTACATCTGAGACAGCACCAGGAGAA
 GCTGCAGGATCCAGAAGTGCATCTGGGTACGAGCAGAAAACCTCAGAGGAGCAGAAAAGTATTCCAGGA
 GAAAAGCAGCAGGAGCTGCACCTGGGACAGAGGCCACAGGAGCCACAGGAGCAGGAGCTACACCTGGGAC
 AGAAACAGAAGCAGAAGCTACATGAACCAGAAGTCAACTGGGAAAACAGCAGCACCAGAAGCCATCTGA
 GCCAGAAGTGCCTCTGGGAAAAGCAGCAGCAGGAGTCACTGAACCAGAAGTGCCTCTGGGAAAAGCAGCAG
 CAGCAGGAGTCACTGAGCCAGAAGTCAACTGGGAAAAGCAGCAGCAGTCAATGAGCCGGATATGGCAG
 GGGATCAGAAAGAGAAGCAGAAAACCTCATAAGCCAGAAGTGTACCTGAGAAAAGCAGCAGTACCAGGAGTC
 ACCTGACCAGAGTTGTCCCTGGGAAAACAGCAGCACCAGGAGTGTGAGAACAGAACTGCAATTGGAA
 GAGAAGCAGCATCAGAAGCCACCTGAACCAGAAGTGCACCTGGGAAAAGCAGCAGGAGTCAATGAGCCAG
 ATATGGCAGAGGATCTGGAAGAGAAGCAGAAAACCTGGTGAAGCAGAAATTACACTAGGAAAAGCAGCAG
 GCAACAGATAGAGCGTGAAGGTTATCAAGGACCAAAAAGCCTGGGTCAAGTCACTTAAGCAAGAGAAAAGCT
 TCAAGGAAAAGCAGCAGCTAGATTACTCACATCTAGAAGCAGGAGAAGGAGCTCTCAGACCAGCCACTGGATC
 AAGCACTAGTAAAGAAGGGTAAACAACCTGGAAAGGAAGAAACACGAATTGGAGAACCAGCAGCAGGAA
 GAAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG224241 representing NM_008412
 Red=Cloning site Green=Tags(s)

MSHQHTLPVTVPAVVQGPKLTVCSPDHIQQEQAKQPTPHPTQCQVFTEIQEKGFPHKEEKRPNPVKDLPD
 QKCEHQQPQPGPQKQQLQVKKSQQLQEQLHLEKQQLPQEPQLLCLLQEQQQQEPQMQEHLRQQQQQQQ
 QQQQQQQQQQQQEQEQGLCLGQQKQQQQQDMLVPQELHLRQHKEKLDPELHLGQQQKTPPEEQKLIPG
 EKQQELHLGQRHQEPQEQLHLGQKQKQLHEPELQLGKQHQKPSPELPLGKQQQESPEPELPLGKQQ
 QQESPEPELQLGKQQSHEPDMAGDQKEKQKLHKPELYLRKQYQESPDPEL.SLGKQQHQECQPELQLE
 EKQHQKPEPELHLGKQQESHEPDMADLEEKQKLGPELHLGKQQQQIEREGYQGPKSLGQSLKQEK
 SRKQQLDYSHLEQEKEKELSDQPLDQALVKKGKQLERKKHELENRTQQEK

TRTRPLE - GFP Tag - V

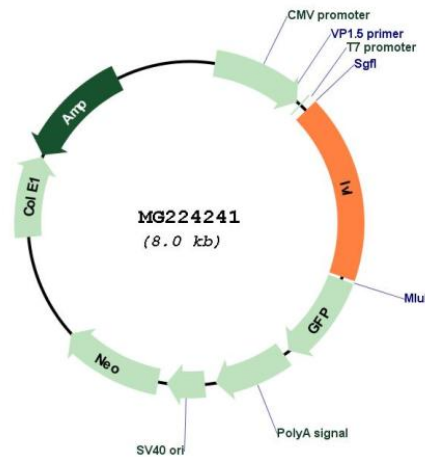
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_008412

ORF Size: 1404 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_008412.3](#), [NP_032438.2](#)

RefSeq Size: 1902 bp

RefSeq ORF: 1407 bp

Locus ID: 16447

Cytogenetics: 3 40.14 cM