

Product datasheet for **RR212299**

Ivl (NM_022195) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ivl (NM_022195) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ivl
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212299 representing NM_022195
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCCCATCAACACACAGTGCCAGTGACTGTTCCAGCTGTGGTTCAGGAATCTCTCAAGACTGTATGTT
 CTCCAGCTCAAACCTCAGCAGGAACAAACAAAGCAACCAACTCCATATCCTGCACAATGCCAGGTCTTCAC
 TGACACTCAAGAGAAGGGCTTTCCCAAACATGAGGAGAAGGAGGCAAACCCCGTGAAGATCTGCCTGAG
 CAAGAGAGTGAGCACCACCAGCAGCCAGGACCACAGAAGCAGCAGCTGCAGGTGAAAAAGCCAGAGCAGG
 AGCTGCAGGAACAGGAAGTGCATTCGGAGAAGCAGCCACAGGAGCCACAGGGGCTCCTGTGCCTGGGACA
 GCAACAGCAGCGAGAGCCACAAGAGCAAGAAGCAGCACCTTAGACAGCACCAGCAGCCACAGCAAGAGTCA
 CAGGGGCGAGGGCTGTGCTTGGGCGAGCAGCAAGATGTGCTGGCACCACAGGAGTGCATATGGGACAGC
 ACCAGAAGGAGAAGCTGCAGGAGCCAGAAGTGCCTCTGGGTGAGCAGCAGAAAACCTCAGAGGAACAGGA
 ACTGATTCTAGGAGAAAAGCAGCAGAAGCTGCACCTGGTAGAGAGGCACCAAGAGCCACAGGAGCAGGAG
 CTGCACCACGGACAGAAAACAGAAGCAACAGCAACCAAGAAGCAGGAGTTGCAGTTGGTACAGCACCAGA
 AGCAGAAGCAGCATGAACCAGAATTGTGCCTGAGGAAGCAGCAGCAGCAGGAGTACATGAGCGAGAAGT
 GCACCTGGGAAAGCAGCAGCAGCAGGAGTACATGAGCCAGAAGTGCACCTGGGAAAGCAGCAGCATCAG
 GAGTCACATGAACCAGAAGTGCACCTGGGAAAGCAGCAGCATCAGGAGTGCATGTGAGCCAGAAGTGCACC
 TAGGGGAAACAGCAGCATCAGGAGCAGCAGCAGCATCAGGAGTGCATGTGAGCCAGAAGTGCACCTAGGGAA
 ACAGCAGCATCAAGAGACTCAGGAGTGAAGTGCACCTGGGAAAGCAGCAGAAAACCATGAGCCAGAT
 ATGGTACTGGATCCGAAAGAGAAGCAGAAAACCTCATGACCCAGAAGTGCACCTGGGAAAGCAGCAGCACC
 AGGAGTCTCAGGAGTGAAGTGCACCTGGGAAAGCAGCAGAAAACCATGAGCCAGAT
 CCTGGGAAAGCAGCAGGAGTTACATGAGCCTGATATGACAGAGGATCAGAAAGAGAAGCAGAGTCTTCAT
 GAACCAGAAGTGCACCTGGGAAAGCAGCAGGAGTGCATGAGCCTGATATGACAGAGGATCAGAAAGAGA
 AGCAGAGTCTTTATGAACCAGAAGTGCACCTGGGAAAGCAGCAGGAAACACAGATAGAGTATGAAGGCTA
 CCAAAGATCAAAAAGTCTGAATCAGTTACTTAAGCAAGAGAAAGCTTCCAGGGGACAGGAGCTGGATGAC
 TCACATCTAGAACAGGAGAAGGAGCTCTTGACCAGCGATTGGATCAAGAAGTAAATAAGGATGAGC
 AACTGGAAAGAAAGAAGCACAATTTGGAGAACCTGACACAGAAGGAGAAGCAGATAAAGCAATTAGTACC
 AAGCACTGACAGAGTCCAAGAGACTCAGCCAATCAACCAGTGAAGAAGACTCTCTCACTACAAAGAAG
 CAGCAGCACAGCCATGAAGTGCAG

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212299 representing NM_022195
 Red=Cloning site Green=Tags(s)

MSHQHTVPVTVPAVVQESLKTVCSPAQTQQEQTKQPTPYPAQCQVFTDTQEKGFPKHEEKEANPVKDLPE
 QESEHHQPPGPQKQQLQVKKPEQELQEQLHSEKQPQEPQGLLCLGQQQREPQEQEQHLRQHQPQES
 QGQGLCLGQQQDVLAPQELHMGQHQKEKLEPELPLGQQQKTPPEQELILGEKQQKHLHLVERHQEPQEQE
 LHHGQKQKQQQPQEQELQLVQHQQKQKQHEPELCLRKQQQQESHRELHLGKQQQQESHEPELHLGKQQHQ
 ESHEPELHLGKQQHQESCEPELHLGEQQHQEQQHQEQESCEPELHLGKQQHQETQESLQLGKQQKPHEPD
 MVLDPKEKQKLHDPPELHLGKQQHQESQESLQVEKKQHEKSPEPELHLGKQQELHEPDMTEDQKEKQSLH
 EPPELHLGKQQESHEPDMTEDQKEKQSLYEPPELHLGKQQEQQIEYEGYQRSKSLNQLLKQEKASRGQELDD
 SHLEQEKELLDQRLDQELVKNDEQLERKKHLENLTQKEKQIKQLVPSTDRVQETQPIQPVKEDSLTTTK
 QQHSHEVQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

ORF Size:	1704 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:	<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:	NM_022195.1 , NP_071531.1
RefSeq Size:	1707 bp
RefSeq ORF:	1707 bp
Locus ID:	60583
UniProt ID:	P48998
Cytogenetics:	2q34
MW:	67 kDa
Gene Summary:	protein of the squamous epithelium [RGD, Feb 2006]