

Product datasheet for **MC219940**

Ilvbl (NM_173751) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ilvbl (NM_173751) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ilvbl
Synonyms:	5830463I21; AI415009
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC219940 representing NM_173751
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGA AACTTCTGCGGCCGCTGCATCTGCGGGAGGCTTCTCCCTCCTTCTGCTCCTGGCGTTTGGGA
 CGCTGGTGGCTGCCGTGCTGGGCGTCGCTCACAGACTGGGGCTTCTATCAGCTGATGCACAAGGTGGA
 CAAGACAAGCATCCGGCATGGTGAGAGAGTGTGCGAGCTGTGCTCCGAGCCCATGGTGTACGCTTTGTC
 TTCACATTGGTCGGTGGGCACATTTCCCACTGCTGGTGGCTGTGAGAAGCTGGGTATCCGAGTGGTAG
 ACACACGCCACGAGGTCCTGCTGCTTTTCTGCTGATGCTGTGGCCCGCTGACTGGGACAGTGGGTGT
 GGCAGCAGTGACAGCCGGTCTGGCCTACCAACACTGTGACTGCAGTGAAGAATGCACAAGTGGCAGAG
 TCCCACTGCTGCTTTGGGTGGAGCTGCCAGCACCTGCTGCAGAAACGGGGCGCACTTACGGCCATTG
 ATCAGATGCTCTGTTTCCAGCCACTCTGCAAGTTTGTGCTTCTGTGCGAAGGTACGGGACATTGTACC
 TACCCTGAGGACTGCAATAGCTGCTGCCAGTCAGGCACCCAGGTCCAGTGTGTTGGAGCTGCCTCTT
 GATGTACTATATCCTTACTTCATGGTTGAGAAGGAGATGATACCAACCAAGTTGCCAATAGCCTCATGG
 GCCGTGTGGTTGTCTGGTATTTACAGA AACTGCCTGGCCAACTCTTTGTTGGGGCTTGGGAACCTCGTCC
 CGAGGGACCTCTGCCCTTGGATATTTCCCAAGGCATCTCCGAGCAGGTCCAGCGCTGTGTGGAGATCCTG
 AGCCGGGCAAGAGGCCCTCTGCTGGTACTGGGGAGCCAGGCCCTTCTGCCCCGACCCCTGCCAACAAGC
 TTAGAGCTGCCGTGGAGACCCCTGGGTGTCCCCTGCTTTCTAGGGGGATGTCTCGGGGGCTGCTGGGCCG
 CAACCACCCTCTCCACATCCGGCAGAACCAGCAGCGCTGCTCTGAAGAAAGCAGATGTTGTTGCTGGCA
 GCGCTGTGTGATTTCCGCTGTCTTATGGCCGGTCTCAACCGCAAGAGCAGCATCATCATTGTCA
 ACCGGAACCGGGATGATCTTTGCTCAACTCGGACATCTTCTGGAAGCCTCAGGAGCTGTGAGGGAGA
 TGTGGGCTCCTTCATGATAAACTGGTGAAGGCCTTCAGGGCCAGATGTGGTCTTCAGATTGGGCTGAG
 GAGCTTCGAAAGCTGACCAGCAGAAGGAGCAGACCTATCGGGATAAGGCTTTAATGCCTGTATTACAGC
 ACCTGAACCCAGTATGGGTGTTACAGCAGGTGGAGGAACTCTGCCTGACAATGCACTTCTTGTGTTGA
 CGGAGGGGACTTTGTGGCCACTGCTGCCTACTTAGTCCAGCCAGAGGGCCTCTGCGCTGGCTCGATCCT
 GGGGCTTTGGGACTCTGGGAGTTGGCGCAGGTTTGCCTTGGGGCCAAGCTGTGTGAGCCGAGGCTG
 AGGTTTGGTGCCTGTTTGGGATGGAGCCTTTGGCTACAGCCTCATTGAGTTTACACGTTCTGTCAGACA
 TAAGGTACCAGTATAGCCTTGGTAGGAAACGATGCAGGTTGGACCCAGATTTCTCGAGAGCAGGTGCC
 AGTTTGGCAGTATGAGCCTGTAGCCTGGCTTACACTGATTATCACAAGGCAGCCATGGGCTGGGGG
 CCCAGGGATTGACTCTCACGGACAATAAGGATCAAGTGGTCAAGGACTTCTGTGAAGGCCAGCAGCT
 GTGCCAGGATGGTCAGTGTGGTCAACATCCTGATTGGGAGGACAGACTTCCGAGATGGCTCCATT
 TCTGTATAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_173751
- Insert Size:** 1899 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_173751.4](#), [NP_776112.1](#)

RefSeq Size: 2348 bp

RefSeq ORF: 1899 bp

Locus ID: 216136

UniProt ID: [Q8BU33](#)

Cytogenetics: 10 39.72 cM

Gene Summary: Endoplasmic reticulum 2-OH acyl-CoA lyase involved in the cleavage (C1 removal) reaction in the fatty acid alpha-oxidation in a thiamine pyrophosphate (TPP)-dependent manner. Involved in the phytosphingosine degradation pathway.[UniProtKB/Swiss-Prot Function]