

Product datasheet for **SC111759**

ILVBL (NM_006844) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ILVBL (NM_006844) Human Untagged Clone
Tag:	Tag Free
Symbol:	ILVBL
Synonyms:	209L8; AHAS; HACL1L; ILV2H
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC111759 sequence for NM_006844 edited (data generated by NextGen Sequencing)

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ATGGAGACCCCGCGGCCCGCCCGCCCGCTGGGAGCTTATCCCCTCCTTCTGCTCCTG
GCCTGCGGGACGCTGGTGGCCGCTTGTGGGCGCCGCTACCGCCTGGGGCTCTTCTAT
CAGCTGCTGCACAAGGTGGACAAGGCAAGCGTCCGGCATGGCGGAGAGAAGCTGGCCGCT
GTGCTGAGGGCCCATGGTGTGCGGTTTCATCTTACGCTGGTGGTGGGCACATTTCCCG
CTGCTGGTGGCCCTGTGAGAACTGGGCATCCGTGTGGTGGACACACGCCATGAGGTCACG
GCCGTCTTTGCTGCTGATGCTATGGCCCGCCTGTCCGGGACGGTGGGCGTGGCGGACGTG
ACAGCAGGCCCTGGCCTACCAACACGGTGACTGCGGTGAAGAATGCTCAGATGGCTCAG
TCCCAATCCTGCTTCTGGGTGGGGCTGCCAGCACTCTGCTGCAGAACCGGGGTGCGCTC
CAGGCTGTTGATCAGCTGTCCCTTTTCCGGCCACTCTGTAAGTTTTGTGTGTCTGTGCGG
AGGGTGCGGGACATTGTGCCACCCTGAGGGCCGCGATGGCTGCCGCCAGTCGGGCACC
CCAGTCCGGTGTGGAGCTGCCCGTTGACGTGCTGTACCCCTACTCATGGTCCAG
AAGGAGATGGTGCAGCAAGCCACCAAGGGCCTCGTGGGCCGAGTGGTCTCCTGGTAT
TTAGAGAATTACCTGGCCAACCTCTTTGCAGGAGCCTGGGAGCCTCAGCCGAGGGACCG
CTGCCCTGGACATCCCCAGGCTTCCCCGACAGAGTTACGCGCTGTGTGGAGATCCTG
AGCCGGGCCAAGAGGCCCTCTGATGGTGTGGGAGTCAGGCCCTGCTCACCCCAACGCTCT
GCCGACAAGCTTCGGGCTGCCGTGGAGACCTTGGGTGTTCCCTGCTTCTTGGAGGGATG
GCACGGGGGCTGTAGGCCGCAACCACCCCTCCACATCCGGGAGAACCAGTGGCGCC
CTGAAGAAGGCGGATGTCATTGTCTAGCAGGAAGTGTGTGTGACTTCCGCTATCCTAT
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TTGCTCAACTCAGACATCTTCTGGAAGCCCAGGAGGCTGTGCAGGGAGATGTGGTTCC
TTCGTGCTGAAGTTAGTGGAGGGCCTTCAGGGCCAGACCTGGGCCAGACTGGGTGGAG
GAGCTGCGGGAAGCCGACCGGCAGAAGGAGCAGACCTTTCGGGAGAAGGCAGCGATGCCT
GTGGCCAGCACCTGAACCCAGTGCAGGTGCTGCAGCTGGTGGAGAAACGCTACCTGAC
AACTCAATTCTGGTGGTGGATGGTGGGACTTCGTGGGCACTGCTGCCCATCTGGTACAG
CCCCGCGGCCCTGCGCTGGCTTATCCTGGGGCCTTTGGGACTCTGGGAGTTGGTGCA
GGATTTGCACTTGGGCCAAGCTGTGCCGGCCAGATGCTGAGGTCTGGTGCCTGTTGGG
GACGGAGCTTTGGCTACAGCCTCATCGAATTTGATACATTTCGTCAGACACAAGATCCCA
GTGATGGCCTTGGTAGGGAATGATGCTGGCTGGACACAGATTTCTCGGGAGCAGGTGCC
TCTCTGGGCAGCAACGTGGCCTGTGGCCTGGCCTACACTGATTATCACAAGGCAGCCATG
GGTCTGGGGCCCGGGCTTGTGCTCTCACGGGAGAACGAGGATCAGGTGGTCAAGGTG
CTGCACGATGCCAGCAGCAGTCCGAGACGGCCACCCGTTGTGGTCAACATCCTCATT
GGGAGGACGGACTTCCGCGATGGCTCCATTGCTGTATAG

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Clone variation with respect to NM_006844.3
 1404 c=>t;1464 c=>t

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_006844 unedited AAACGGTTGCCGATTTGTAATACGTTTACTATAGGGCGGCCGGAATTCGCACCAGGCC ATATCCTGGNAGTGAAGGTACCACCTCATGGAGACCCCGCGCCGCCGCCCGCTGGG AGCTTATCCCCTCCTTCTGCTCTGGCCTGCGGGACGCTGGTGGCCGCTTGTGGGC GCCGCTCACCGCTGGGGCTCTTCTATCAGCTGCTGCACAAGGTGGACAAGGCAAGCGTC CGGCATGGCGGAGAGAACGTGGCCGCTGTGCTGAGGGCCCATGGTGTGCGGTTTCATCTTC ACGCTGGTCCGTGGGCACATTTCCCGCTGCTGGTGGCCTGTGAGAAACTGGGCATCCGT GTGGTGGACACACGCCATGAGGTCACGGCCGCTTTTGTGCTGATGCTATGGCCCGCTG TCCGGGACGCTGGGCGTGGCGGACGTGACAGCAGGCCCTGGCCTACCAACACGGTGACT GCGGTGAAGAATGCTCAGATGGCTCAGTCCCAATCCTGCTTCTGGGTGGGGCTGCCAGC ACTCTGCTGCAGAACCGGGTGCCTCCAGGCTGTTGATCAGCTGTCCCTTTTCCGGCCA CTCTGTAAGTTTTGTGTCTGTGCGGAGGGTGCGGGACATTGTGCCACCCTGAGGGCC GCGATGGTGCAGCCAGTGGGCACCCAGGTCGGTGTGTTGTGGAGCTGCCGTTGAC GTGCTGTACCCCTACTTCATGGTCCAGAAGGAGATGGTCCAGCCAAGCCACCCAAGGGC CTCGTGGGCCGAGTGGTCTCCTGGTATTTAGAGAATTACCTGGCCAACCTCTTTCAGGA GCCTGGGAGCCTTAGCCCGAGGGACCGCTGCCCTGGACATCCC
Restriction Sites:	NotI-NotI
ACCN:	NM_006844
Insert Size:	2500 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:	<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_006844.3 , NP_006835.2
RefSeq Size:	2328 bp
RefSeq ORF:	1899 bp
Locus ID:	10994
UniProt ID:	A1L0T0
Cytogenetics:	19p13.12
Domains:	TPP_enzymes
Protein Families:	Transmembrane

Gene Summary:

The protein encoded by this gene shares similarity with several thiamine pyrophosphate-binding proteins identified in bacteria, yeast, and plants. The highest degree of similarity is found with bacterial acetolactate synthases (AHAS), which are enzymes that catalyze the first step in branched-chain amino acid biosynthesis. [provided by RefSeq, Jul 2008]
Transcript Variant: This variant (1) encodes a longer isoform (1).