OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC100175

HELB (NM_033647) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HELB (NM_033647) Human Untagged Clone
Tag:	Tag Free
Symbol:	HELB
Synonyms:	DHB; hDHB
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033647, the custom clone sequence may differ by one or more nucleotides

ATGGCCAGGTCGAGTCCGTACCTGCGCCAACTTCAGGGACCTCTGCTCCCACCCAGGGATCTGGTGGAGG
AGGACGACGACTACCTAAACGACGACGTGGAGGAGGATGAAGAGTCCGTGTTCATCGACGCCGAGGAGCT
CTGCAGTGGGGGCGTAAAGGCTGGCAGCCTCCCCGGGTGCCTCCGCGTTTCTATTTGTGATGAAAACACA
CAAGAGACATGTAAAGTGTTTGGACGTTTTCCGATAACAGGTGCTTGGTGGAGAGTGAAGGTACAAGTAA
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AGAGTTGTTCCTAGACAATGAGATGAGTCTTCCTCTGGAAAACACAATTCCATTTAGAAATGTAATGACA
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TATGTAGAGAAGATGGGCACACATATGTTGAAGTGAATGACTTAACTTTGACATTGTCAAATCATATGTC
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AGCACCTACAGGGAAAGCAGCTGGCTTACTAAGACAGAAAACTGGTCTTCATGCCTACACACTGTGTCAG

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GTCAATTATAGCTTCTATTCATGGACTCAAACAATGATGACCACAAACAAACCATGGAAATTTTCTTCGG
TTAGAGTTCTGGTTGTGGATGAAGGGAGTTTGGTATCTGTAGGAATCTTCAAATCGGTCTTAAATTTATT
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033647 unedited
AACACGACTTCTATAGGGCGGCCGCGAATTCGGCACGAGGCATGACCATGTCAGTTAGCC
AGGGTTTTCCCGAGTTGTTTGGGTTGAGTTCAGGAGAAGCATGGCCAGGTCGAGTCCGTA
CCTGCGCCAACTTCAGGGACCTCTGCTCCCACCCAGGGATCTGGTGGAGGAGGACGACGA
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CTGCAGTGGGGGCGTAAAGGCTGGCAGCCTCCCCGGGTGCCTCCGCGTTTCTATTTGTGA
TGAAAACACACAAGAGACATGTAAAGTGTTTGGACGTTTTCCGATAACAGGTGCTTGGTG
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ACTTTAAATGGATCATAGGGTCAGGTTCTAAAGAGATGTGAAAGAGATAGAGAGATTTAG
GTCACATCCGTGGAACTCGGATTAGTAAATAACCTACGAGAGTGCAACCCTGCGAGTGAG
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_033647 unedited
TTAGCTTTGNACCCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTC
CAGTTATAGGAAACTTTTTTTATCTTGGTACTTTGACGTTACGATGTTCATTTTGTCTCC
AATAAAAAAAACATAGTTACTCGGAACAATTTGAAATAAAACTAAGTTTCTTGATTATCTG
TGGGCTTGAAAAGTTGCCTGGGAATTAAATTATTCAGTCTCAAATTCTGAAGTCTGGAAA
ACACTTGTGGAGATTCTCCCACCATAAAAATTTTGCTTGGACTTTCATCATCATTCACAC
CACAGGTTCTTTTGGATGCTCGCGATTTTGGTAAATCATCATCTGTATCTACTCCATCAG
GTGAAGATAATTGCCATCTTTCAGCAAAGGTGAGTGTCCTCTCATCAGGCGAAGAGGCCT
CGCTCCAGGTGACATCATTTGTCATGGCGTGGTCTGTGACTACAGGGAGTGGAGATGCTG
ACGGTATGCTGGGTCCTCCACTGTCTCCAGAGCTCTTCCGTGGGGACAGAAAATCTGCTG
GAGGTGCGCCGCTAGAGGAGAGCTTACTTTGCAAGAAATGTTTCAAACGAGTTTTTCTAG
GAAAACTGTTTTTCATAATGGCATTCCGGAGCTGAGACTCCTCTGCAATCACATACACTC
GGCAGCGGCCCCTGGTCACGGCGGTGTAAACATGCTGCCAGTGCTGGCGCCCCGCCTTCC
CACCACATAGACAACTGTTTGCCTCTCGCACCCCTGAAAGTGTGAATAGTTCTTGCCCTG
CATGTTNTATGCGACAATATTCCATTAGTTTCTAAAAACCAACAGTACTTCCGGCCAGGC
ATATTATAAATGGCCAAGATCTTCTTTTTCAAAGATACCTCAGTACATCATTTGTTTGGA
AAAATTA
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Restriction Sites: NotI-NotI

ACCN: NM_033647

Insert Size: 3570 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_033647.2, NP_387467.2

RefSeq Size: 3368 bp

RefSeq ORF: 3264 bp

Locus ID: 92797

UniProt ID: Q8NG08

Cytogenetics: 12q

Gene Summary: This gene encodes a DNA-dependent ATPase which catalyzes the unwinding of DNA necessary for DNA replication, repair, recombination, and transcription. This gene is thought to function specifically during the S phase entry of the cell cycle. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2016]
Transcript Variant: This variant (1) encodes the protein.