

## Product datasheet for **SC113641**

### KLHDC8A (NM\_018203) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	KLHDC8A (NM_018203) Human Untagged Clone
Tag:	Tag Free
Symbol:	KLHDC8A
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC113641 sequence for NM_018203 edited (data generated by NextGen Sequencing)

```
ATGGAGGTGCCTAACGTCAAGGACTTCCAGTGGAAAGCGCCTGGCGCCACTGCCAGCCGC  
CGGGTCTACTGCTCCCTGCTGGAGACCGGGGCCAGGTCTATGCCATCGGGGGATGTGAC  
GACAACGGCGTCCCCATGGACTGCTTCGAGGTCTACTCCCGGAGGCCGACCAGTGGACC  
GCCTTGCCCCGGCTGCCACAGCCCGGGCGGGGTGGCCGTACCGCCCTGGGGAAGCGG  
ATCATGGTGATTGGGGCGTGGGCACCAATCAGCTGCCCTGAAGGTCGTGGAGATGTAC  
AACATCGATGAGGGCAAGTGAAGAAGAGGAGCATGCTGCGTGAGGCCGCATGGGCATT  
TCTGTACGGCCAAGATTACCGAGTATATGCGGCAGGCGGGATGGGCCTGGACCTACGT  
CCACACAACCACCTCCAACACTATGACATGCTGAAGGACATGTGGGTGCCCTAGCACCC  
ATGCCACCCCGAGATATGCTGCCACCTCCTTCCCTCCGAGGCTCCAAGATCTACGTGCTG  
GGGGGACGACAGTCCAAGTACGCGGTCAACGCTTTCGAGGTCTTTGACATCGAGACTCGC  
TCCTGGACCAAGTTTCCAACATTCCCTATAAGCGGGCCTTCTCCAGCTTTGTGACCCTG  
GACAACCACTTGTACAGCCTAGGAGGCCTGCGGCAAGGTCGCTTACCAGCAGCCCAAG  
TTCCTGCGGACGATGGACGTGTTTCGACATGGAACAGGGGGGATGGCTGAAGATGGAACGA  
TCGTTCTTCTCAAGAAGCGCGGGCAGATTTTGTGGCTGGCTCTCTGAGTGGACGGGTC  
ATAGTGGCTGGGGGACTTGGGAATCAACCCACTGTCTGGAGACGGCGGAAGCATTCCAC  
CCAGGGAAGAACAATGGGAGATCCTCCCTGCCATGCCACACCCCGCTGTGCCTGCTCC  
AGCATAGTCGTAAGAAGTGCCTCCTCGCCGTGGGAGGTGTCAACCAGGGTCTGAGTGAC  
GCAGTGGAGGCCCTGTGTCTCTGACTCCTAG
```

Clone variation with respect to NM\_018203.1  
573 c=>t



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_018203 unedited  
 CCGCGAAATTCGCACGAGGGGACGCACGCGGATTCCTGCACAGGTGTGGTGGCTGCGGAT  
 GGGGACGGAGCGGAGCANGCTCGCCGGCCTCCTCCCCGGCGGGCTCCGCTTCTCCTTC  
 CTGCTGTTCACTTCATCTCCTCATCTGCATGTGTGACAGCGGCGCGGGACTGGGGAAGG  
 ACAGAGCGCCCTCCCCGGCTCCCGTGCAGCGGGGCGGGGCTCCGGCTCCCCAGTGA  
 TGCCTCGTCTGCGCTCGCCGCCGCTCCCCGGCCTGGCAGCGGCCAGGCGTGGACCG  
 CGCCGGACCGCTGAGACTCGGGGCACGGTGAAGCACTGGCCGGGGTCTGGCTGGGTCCGG  
 CGCTCGGGAGCCAGATGGAGGTGGCGATAGGGGCGTGGGAGCCGGCGCCAAGTAGCCGG  
 TGGACCCCGCGCTCGCAACTCTCCCGCGCCCGGGCGCTCCCCAAGGCTGCCATGGAGG  
 TGCCTAACGTCAAGGACTTCCAGTGAAGCGCCTGGCGCCACTGCCAGCCGCGGGTCT  
 ACTGCTCCCTGCTGGAGACCGNGGCCAGGTCTATGCCATCGGGGGGATGTGACGACAAC  
 GGGCTCCCATGGACTGTTTTGAGGTCTACTCCCCGGAGGCCGACNCAGTGGACCGCC  
 TTGCCCGGCTGCCACAGCCCGCCGGGGGGTGGCCGTACCGCCCTGGGGAAGCGG  
 ATCTGGGTGATTGGGGGGCGTGGGCACCAATCAGTGCCTTGAAGGTGGGGGAAN  
 AGTACAACATCGATGAGGGCCAGTGGAAAAAAGGACATGCTGCGTGAAGCGCCATGGC  
 CATTTCTGGCCGGCAAAGATACCGAGTATTGCCCGCGGGGAATGGCCCTGGACCTA  
 CGTTCCACAACCCTCCACACTATACTGCTGAAGGAATATGGGGGGTGCCTACCCCC  
 ACGCCACCCCGAAAGCGTGCCCTTCTCCTCGAGTTCAAATTAAGGGGTGGGGGA  
 GACAACGCAAAAGA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_018203 unedited  
 AGCTCTGCACCCGCGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTAGGA  
 ATATAGATTTTAAATCATTGTGCTGCTGCTATTAACCAGAGTGAATTAATCCATCTTTTG  
 TGGATTTTATGCCACAGTGTAAATGAGAGGGTTTACACAGAAACACTTGGGGGCCTT  
 CGGTGACAAAAGGCTAGGCCTCTGGTGGGAGGGGTGCCAAAGGTTAACCCACTAA  
 AGACACATGTCTNNGGTATGGCCGTCTACAACCTCCGCCCGCCTCTATAACCCTTCCTA  
 CATGCTTCGCGATCCGCCACTCCCTCATGGCACAGGGNAGGCCGTTGCCTCCACGTA  
 GCTCCTCCCCCAGTTGCGGAGGCCTCTTNNCCCTTTCGCCAGGTCTTTGTGCCTGCC  
 GACAAGGGCCTCCCCAAGGGCCCCGAGGCGCCTGCGGNAACTCCCACGACCCTCCGG  
 GAAACCCGGCGTCTGGCTGNAGCATGATGGAGGAGAATTTACTAGGACCCGGCGCCGAA  
 CTAGGCGCTCTCCTTTGACAAGGCGCCCTCCNGNGCTCGCCGAGAATGAGAACACCC  
 CCCCAGCTGACGGGNNCAAGCCTTAGAACCCGCTGGCAACCACAAGCNNCACCTCGCT  
 TACACGCCTGCCCGGCTGGGNNCGGTATCCGTCGCCGGGGTAGGATAGTNNCTCC  
 CCGNNGCGCCCCACCCGTGATAGACGCCCACTTNCAGGATCGNCACTACATCACAAC  
 TACCCAGGTGNNCCGAGACCCGCCGACCCGGCCNNACGCCCGACGTNNCCCGCG  
 GGTGNNNNAAATACACCCTGNNCCAGCGCCAGCGCGGCCGCTCCCCGNNNNCCCGC  
 GGGCCGGTGCAGCGCGCTCNCGTAACGTTGTGCTTCGATAGTAAGCNNNTCTGATTNNG  
 NAGAGGGCCGGTGCACGCCNCGCAGCTCGCGCGGT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_018203

**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:**

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\\_018203.1](#), [NP\\_060673.1](#)

**RefSeq Size:** 2500 bp

**RefSeq ORF:** 1053 bp

**Locus ID:** 55220

**UniProt ID:** [Q8IYD2](#)

**Cytogenetics:** 1q32.1

**Domains:** Kelch

**Gene Summary:** This gene encodes a kelch domain-containing protein which is upregulated in cancer. Upregulated expression of the encoded protein may provide an alternative pathway for tumors to maintain aggressiveness in the absence of epidermal growth factor receptor dependence. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2012]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1,2,3, and 4 encode the same protein.