

Product datasheet for SC113510

KDM3A / JHDM2A (KDM3A) (NM_018433) Human Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | KDM3A / JHDM2A (KDM3A) (NM_018433) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | KDM3A / JHDM2A |
| Synonyms: | JHDM2A; JHMD2A; JMJD1; JMJD1A; TSGA |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL4</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| Fully Sequenced ORF: | >OriGene ORF within SC113510 sequence for NM_018433 edited (data generated by NextGen Sequencing) |

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ATGGTGCCTCAGCTCGGAGAAAGTTGGCCGGTATTGGTGGGGAGGAGTTTCTCAGTCTG
TCCGCAGCCGACGGCAGCGATGGCAGCCACGACGCTGGGACGTGGAGCGCGTCGCCGAG
TGGCCCTGGCTCTCCGGGACCATTTCGAGCTGTTCCACACCGACGTTACCAAGAAGGAT
CTGAAGGTGTGTGGAATTTGATGGGAATCTTGGAGGAAAAGAAGATGGATAGAAGTC
TACAGCCTTCTAAGGAGAGCATTTTTAGTAGAACATAATTTGGTTTTAGCTGAACGAAAG
TCACCTGAAATTTCTGAACGAATTGTACAGTGGCCTGCAATAACGTACAAACCTCTGTTG
GACAAAGCTGGTTTGGGATCCATAACTTCTGTTTCGCTTTCTGGGAGATCAACAAAGAGTA
TTTCTTTCTAAAGACCTTTTGAAGCCTATACAGGATGTAACAGTCTTCGACTTTCTCTT
ACGGATAATCAGATTGTCAGTAAAGAATTTCAAGCTTTGATTGTGAAGCATTTAGATGAA
AGCCATCTTTTAAAAGGTGACAAAACTTAGTTGGTTCAGAAAGTAAAAATTTATAGCTTG
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AAAATTCTGACTGAGCCAAAAGGCGAGTGTACTCAGCCTAAGACAAACACTGATCAGGAA
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AACAATAAAATCCAGAATGCCCATCCAGGAAGTCGGTTTTGACAGACCCAGCTAAACTC
AAAAAGCTGCAACAGAGTGGCGAGGCCCTTCGTACAGGATGATTCTTGTGTGAACATCGTG
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AAGAATACACAAAAATCCTTGATGACATCTTTGCCTCTTTGGTGAAAAAAGACGACT
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GTGCATCATAAATTGAACTCTGAACTTTGAAACCTGAATCCTTCAAGAAAGAGTTTGGT
GAGCAGGAAGTAGACCTAGTTAATTGTAGGACCAATGAAATCATCACAGGAGCCACAGTA
GGAGACTTCTGGGATGGATTTGAAGATGTTCCAAATCGTTTAAAAATGAAAAAGAACCA
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TTAGATGTATCTGATGCAGCTAATGTCATGGTCTATGTGGGAATCCCAAAGGACAGTGT
GAGCAAGAAGAAGAAGTCTTAAGACCATCCAAGATGGAGATTCTGACGAACTACAATA
AAGCGATTTATTGAAGGAAAAGAGAAGCCAGGAGCACTGTGGCACATATATGCTGCAAG
GACACGGAGAAGATAAGGGAATTTCTAAAAAGGTATCAGAAGAGCAAGGTCAAGAAAAAC
CCAGCAGACCACGATCCTATTATGATCAAAGCTGGTATTTAGACCGATCATTAAAGAAA
CGTCTTCAAGAGTATGGAGTTCAAGGCTGGGCTATTGTACAGTTTCTTGGGGATGTG
GCTGAAGATTTTGTCTCCAGAGCATGTTAAACACTGCTTCTGGCTTACTCAGGAATTC
CGATATCTGTACAGACTCATACCAATCACGAAGATAAATTACAGGTGAAGAATGTTATC
TACCATGCAGTGAAGATGCAGTTGCTATGCTGAAAGCCAGTGAATCCAGTTTTGGCAAA
CCTTAA

Clone variation with respect to NM_018433.5

634 a=>g;918 g=>a

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|-------------------------------------|---|
| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_018433 unedited</p> <pre> ATTCGGCACGAGGCTGGAAACGGCGGCTGCCGCCGGTGACTCAGGGAGGCGGGAGGCGGG GGAGGAGCTCTTCTGCAGGCGTGGAAACCATGGTGCTCACGCTCGGAGAAAAGTTGGCCG GTATTGGTGGGGAGGAGTTTCTCAGTCTGTCCGACGCCGACGGCAGCGATGGCAGCCAC GACAGCTGGGACGTGGAGCGCTCGCCGAGTGGCCCTGGCTCTCCGGGACCATTTCGAGT GTTTCCACACCCAGCTTACCAAGAAGGATCTGAAGGTGTGTGGAATTTGATGGGGAA TCTTGGAGGAAAAGAAGATGGATAGAAGTCTACAGCCTTCTAAGGAGAGCATTTTTAGTA GAACATAATTTGGTTTTAGCTGAACGAAAGTCACCTGAAATTTCTGAACGAATTGTACAG TGGCCTGCAATAACGTACAAACCTCTGTTGGACAAAGCTGGTTTGGGATCCATACTTCT GTTTCGTTTCTGGGAGATCAACAAAGAGTATTTCTTTCTAAAGACCTTTTGAAGCCTATA CAGGATGTAAACAGTCTTCGACTTTCTTACGGATAATCAGATTGTCAGTAAAGAATTT CAAGCTTTGATTGAAGCATTTAGATGAAAGCCATCTTTTAAAAGGTGACAAAACTTA GTTGGTTCAGAAGTAAAAATTTAGCTTGGACCCATCTACTCAGTGGGTTTTTCAGCACC GTTGTNAATGAAACCCAGCATCAAACTCTTCAAGTCAACTGTGAGGAGATCCAGCC TGAAAATTGNTGATCCGTAAGTCTGNTGAAAGTGTACGATAACCTGTGACATGTG GTAATCTGCAGAATGGAGCTGTAACGCAGTCTCTGAGATATGGACCCTGTTTCCAAN </pre> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_018433 |
| Insert Size: | 4700 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). |
| OTI Annotation: | A TrueClone. |
| 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: | <u>NM_018433.3</u> , <u>NP_060903.2</u> |
| RefSeq Size: | 4718 bp |
| RefSeq ORF: | 3966 bp |
| Locus ID: | 55818 |
| UniProt ID: | <u>Q9Y4C1</u> |
| Cytogenetics: | 2p11.2 |
| Domains: | JmjC |

Gene Summary:

This gene encodes a zinc finger protein that contains a jumonji domain and may play a role in hormone-dependent transcriptional activation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Transcript Variant: This variant (1) represents the longer transcript. Both variants 1 and 2 encode the same protein.