

Product datasheet for **RN203298**

Ythdc1 (NM_133423) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Ythdc1 (NM_133423) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Ythdc1 |
| Synonyms: | Yt521 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



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Fully Sequenced ORF: >RN203298 representing NM_133423
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGCCGACAGCCGGGAGGAGAAGATGGGAACTTAATGTTTTAGATGATATTTGACTGAAGTAC
 CAGAACAGGATGATGAACTGTATAATCCAGAGAGTGAACAAGATAAAAAATGAGAAAAAGGATCAAAAAG
 AAAAAGTGAAGAATGGAATCTATTGACACCAAGCGACAGAAGCCTTCTATCCATTCAAGACAACCTGATT
 TCTAAGCCACTAAGCTCATCTGTAGCAATAATAAAAAGATAGTTAGTACAAAAGGAAAGTCGGTTACAG
 AATATAAAAATGAGGAATATCAAAGATCTGAAAGGAACAAGCGTCTAGATGCTGATCGAAAAATTCGCT
 GTCAAGCAGTTCCTCTAGAGAACCTTACAAGAGTCAACCAGAAAAACCTTGTCTACGGAAAAAGGATTCT
 GAAAGAAGGGCCAAGTCTCTACACCAGATGGTCTGAGAGAATTGGGCTTGAAGTTGATAGACGTGCAA
 GCAGATCCAGCCAGTCTCAAAGGAAGAGGGGAACTCTGAGGAGTATGGCTCTGACCACGAGACAGGAAG
 CAGTGCTTCTTGAACAGGGCAACAACACTGAGAATGAGGAGGAAGGAGGGGAAGAAGATGTAGAGGAA
 GATGAAGAGGTAGATGAAGATGGAGATGATGATGAGGAAGTGGATGAAGATGCGGAGGAGGAGGAGGACG
 AGGAAGAAGATGAGGAGGAGGAGGATGAGGAAGAAGAAGGAAGGAAGAAGAATATGAACAGGATGA
 GAGAGATCAGAAGGAAGAAGGGAATGATTATGACACCCGTAGTGAGGCCAGTGATTCTGGTTCTGAGTCT
 GTTTCCTTACAGATGGATCTGTGAGGTCTGGTTCAGGAACAGATGGATCAGATGAGAAAAAGAAGGAAA
 GGAAGAGAGCTCGAGGCATATCACCCATTGTCTTTGATAGAAGTGGCAGTTCTGCATCAGAGTCATATGC
 AGGTTCCAGAAAAGAAGCATGAGAAATTATCATCTCCGTTCTGCTGTCCGAAAAGATCAAACAGTAAA
 CTCAAATCTGTCTTTCAGGATGCAAGATTTTTCCTATAAAGAGTAACAACCATGAGAATGTCTCTTG
 CCAAAGCAAAGGGTGTATGGTCCACATTACCTGTAATGAGAAGAAATTAATCTTGCCTTTAGATCTGC
 AAGGAGTGTATATTAATATTTTCTGTCAGGGAAAGTGGAAAGTTTCAAGGTTTTGCCAGATTGTATCA
 GAATCGCATCATGGTGGCTCTCCTATACATTGGGTGCTTCCAGCAGGAATGAGTGCTAAAATGCTTGGAG
 GTGTTTTTAAATTTGACTGGATTTGACGGCGTGAATTACCCTTTACTAAGTCAGCTCATCTACCAATCC
 CTGGAATGAACATAAGCCAGTAAAGATTGGACGTGATGGACAGGAAATGAACTTGAATGTGGAACCCAG
 CTTTGTCTTCTGTTTCCCCTGATGAAAGTATTGACTTGTATCAGCTCATTATAAAAATGCGTCACAAGA
 GAAGAATGCATTCTCAGCCTCGATCAAGAGGACGTCCATCCGTCGAGAACCAGTCCGGGATGTGGGAAG
 GCGTCGACCAGAAGATTATGATATTCATAACAGCAGAAAGAAACCAAGGATTGACTATCCCCTGAGTTT
 CACCAGAGACCAGGATTTAAAGGATCCCGATACCAGGAAGTTGACAGTTTCACAAATCTTATCCCA
 ACAGACGATTTTTCAGGAGTTCGCGGAGATGTGTTTTTAAATGGTCCCTACAATGATTATGTGAGGGAATT
 TCATAACATGGGACCACCGCCTCCTTGGCAAGGAATGCCTCCTTACCCGGGAATAGAACAGCCTCCACAC
 CATCCCTACTACCAGCACCATGCCCGCCTCCTCAAGCCACCCCTTACTCAGGACACCATCCGGTAC
 CACATGAAGCAAGATACAGAGATAAACGAGTACATGACTATGATATGAGGGTTGATGATTTCTTCGCCG
 CACACAAGCCGTTGTGAGTGGTTCGGAGAAGTAGACCCCGAGAAAGAGATCGGGAGCGAGAGCGAGACCGC
 CCTAGAGATAACAGAAGAGATAGAGAGCGAGACAGAGGTCGTGATCGAGAAAGAGAGAGAGAAAGAATAT
 GTGATCGGGACAGAGACCGAGGGGAAAGAGGTCGTTATCGAAGAT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_133423
Insert Size: 2217 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).

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| 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_133423.1</u> , <u>NP_596914.1</u> |
| RefSeq Size: | 2968 bp |
| RefSeq ORF: | 2217 bp |
| Locus ID: | 170956 |
| UniProt ID: | <u>Q9QY02</u> |
| Cytogenetics: | 14p21 |
| Gene Summary: | binds nuclear transcriptosomal complex scaffold attachment factor B (SAF-B) and Sam68; may play a role in splice site selection and alternative splicing [RGD, Feb 2006] |