

## Product datasheet for **SC120733**

### WDR20 (NM\_144574) Human Untagged Clone

#### Product data:

|                           |                                        |
|---------------------------|----------------------------------------|
| Product Type:             | Expression Plasmids                    |
| Product Name:             | WDR20 (NM_144574) Human Untagged Clone |
| Tag:                      | Tag Free                               |
| Symbol:                   | WDR20                                  |
| Synonyms:                 | Bun107; DMR                            |
| Mammalian Cell Selection: | None                                   |
| Vector:                   | <u>pCMV6-XL5</u>                       |
| E. coli Selection:        | Ampicillin (100 ug/mL)                 |



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_144574, the custom clone sequence may differ by one or more nucleotides

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ATGGCGACGGAGGGAGGAGGGAAGGAGATGAACGAGATTAAGACCAATTACCACCCGGGAAGGTCTGT
ACAAGCTGCTGCCGCACTCGGAGTACAGCCGGCCCAACCGGGTGCCCTTCAACTCGCAGGGATCCAACCC
TGTCGCGCTCTCCTTCGTAAACCTCAACGACCACTGTGGCAACGGCGACCGCTCTGCTTCAATGTGGGC
CGGGAGCTGTACTTCTATATCTACAAGGGGTCCGCAAGGCTGCTGACTTGAGTAAACCAATAGATAAAA
GGATATACAAAGGAACACAGCCTACTTGTGATGACTTCAACCACCTAACAGCCACAGCAGAAAGTGTCTC
TCTCTAGTGGGCTTTTCCGAGGCCAAGTCCAGCTTATAGACCAATCAAAAAAGAACTAGCAAACCTT
TTAATAGAGAAAGACTAATAGACAAGTACGAGTTACCTGTGTCAAATGGGTTCCCGGTTCCGAAAGCC
TTTTCTAGTAGCCCACTCGAGTGGGAACATGACTTATATAATGTGGAGCACACTTGTGGCACCACAGC
CCCCCACTACCAGCTTCTGAAGCAGGGAGAGAGCTTTGCCGTGCACACTTGCAAGAGCAAATCCACGAGG
AACCTCTCCTTAAGTGGACGGTGGGCGAGGGGGCCCTCAACGAGTTTGCTTTCTCCCAAGATGGCAAGT
TCTTAGCGTGCCTGAGCCAGGACGGGTTTCTGCGGGTGTCAACTTTGACTCAGTGGAGCTGCACGGTAC
GATGAAAAGCTACTTTGGGGGCTTGCTGTGTGTGTGCTGGAGCCCGGATGGCAAGTACATCGTGACAGGT
GGGGAGGACGACTTGGTGACAGTCTGGTCTTTGTAGACTGCCGAGTAATAGCCAGAGGCCACGGGCACA
AGTCTGGGTGAGTGTGTAGCGTTTGACCTTATACCACTAGTGTAGAAGAAGGTGACCTATGGAGTT
TAGTGGCAGCGATGAGGACTTCCAAGACCTTCTTCAATTTGGCAGAGATCGAGCAAATAGTACACAGTCC
AGGCTCTCCAACGGAACCTACAGACAGCCGCCCCGTAAGTGTACGTATCGTTTGGTTCGTTGGGCC
AGGACACACAGCTCTGTTTATGGGACCTTACAGAAGATATCCTTTCCCTACCAACCCCTCTCAAGAGC
AAGGACACACAAATGTATGAATGCCACGAGTCTCCTGCTGGAAGCAATGGGAACAGTGTACAACA
CCCGGGAACCTCTGTGCCGCTCCTCTGCCACGGTCCAACAGCCTTCCACATTGACAGTCTCAAAATGCTG
GCAGCAAAAGCAGTGTATGGACGGGGCCATTGCTTCTGGGGTCAGCAAAATTTGCAACACTTTCATACA
TGACCGGAAGGAGAGGCCACACGAGAAAGATCACAAGCGAAATCATAGCATGGGACACATTTCTAGCAAG
AGCAGTGACAACTGAATCTAGTTACCAAAACCAAAACGACCCCTGCTAAACTCTGGGAACGCCCTGT
GTCCTCGAATGGAAGATGTTCCCTTGTAGAGCCGCTGATATGAAAAAGATAGCACATGAGAGACTGAC
TGTAATAATTTCTGAAGACTGTATAGTCACTGCTTGTGAGGAGGATTTATTTGCACATGGGGAAGG
CCTGGTAAAGTGGTAAGTTTAACTCTTAA

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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_144574 unedited

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GGGGTTCAAATTTGTATACGACTCATATAGGCGGCCGCGAAATTCGCACGAGGCCTCGTG
CCGAATTCGGCACGAGGGAACGCTGCTTTCCAAGATGGCGACGGAGGGAGGGAAGGA
GATGAACGAGATTAAGACCAATTCACCACCCGGGAAGGTCTGTACAAGCTGCTGCCGA
CTCGGAGTACAGCCGGCCCAACCGGGTGCCCTTCAACTCGCAGGGATCCAACCTGTCCG
CGTCTCCTTCGTAAACCTCAACGACCACTGTGGCAACGGCGACCGCTCTGCTTCAATGT
GGGCCGGGAGCTGTACTTCTATATCTACAAGGGGTCCGCAAGGCTGCTGACTTGAGTAA
ACCAATAGATAAAAGGATATACAAAGGAACACAGCCTACTTGTGATGACTTCAACCACCT
AACAGCCACAGCAGAAAGTGTCTCTCTCCTAGTGGGCTTTTCCGAGGCCAAGTCCAGCT
TATAGACCAATCAAAAAAGAACTAGCAAACCTTTTAAATGAGGAAAGACTAATAGACAA
GTCACGAGTTACCTGTGTCAAATGGGTTCCCGGTTTCGAAAGCCTTTTCTAGTAGCCCA
CTCGAGTGGGAACATGACTTATATAATGTGGAGCACACTTGTGGCACCACAGCCCCCA
CTACCAGCTTCTGAAGCAGGGAGAGAGCTTTGCCGTGCACACTTGCAAGAGCAAATCCAC
GAGGAACCTCTCCTTAAGTGGACGGTGGGCGAGGGGGCCCTCAACGAGTTTGCTTCTC
CCCAATGGGCAGTTCTTAGCGTGCCTGAGCCAGNACGGNTTCTGCNNGNTGNTCAACTT
GACTCAGTGAGCTGCACGATGATGAAAAGCTACTTTGGNGGGCTGCTGTGTGTGCT
GGACCCGATGGCAGTACATCGTGACAGGTGCGAAGAAAN

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**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_144574

|                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Insert Size:</b>           | 2750 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>OTI Disclaimer:</b>        | 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).                                                                                                                                                                          |
| <b>Components:</b>            | 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).                                                                                                                                                                                                                                                                                                                                    |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol> |
| <b>RefSeq:</b>                | <u>NM_144574.2, NP_653175.2</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>RefSeq Size:</b>           | 2423 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>RefSeq ORF:</b>            | 1710 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Locus ID:</b>              | 91833                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>            | <u>Q8TBZ3</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Cytogenetics:</b>          | 14q32.31                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Domains:</b>               | WD40                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Gene Summary:</b>          | <p>This gene encodes a WD repeat-containing protein that functions to preserve and regulate the activity of the USP12-UAF1 deubiquitinating enzyme complex. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jun 2011]</p> <p>Transcript Variant: This variant (2) differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct and shorter C-terminus, compared to isoform 1.</p>                                   |