

## Product datasheet for SC117535

### MED14 (NM\_004229) Human Untagged Clone

#### Product data:

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                         |
| Product Name:             | MED14 (NM_004229) Human Untagged Clone                      |
| Tag:                      | Tag Free                                                    |
| Symbol:                   | MED14                                                       |
| Synonyms:                 | CRSP2; CRSP150; CSRP; CXorf4; DRIP150; EXLM1; RGR1; TRAP170 |
| Mammalian Cell Selection: | None                                                        |
| Vector:                   | <u>pCMV6-XL4</u>                                            |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                      |
| Fully Sequenced ORF:      | >OriGene sequence for NM_004229 edited                      |

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CGGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGT
AATACGACTCACTATAGGCGCGCCGCGAATTCGGCACGAGCGGCTTCTGTTCTGAGGC
GGCCCGGCGGTAGGCGGTGGCGACTCTGCCCGCTCCCGTTTCGGCGCGGTGACCGAGCGC
CCGGGAGGCTCGAGGACCGCATCGTGTGCCGTTGCGCCAAGCCCGTCTGCGCCGCCAT
GGCCCCAGTGCAGCTGGAGAACCACAGCTGGTCCCGCCGAGGCGGCGGCGGGGCGAG
CGGCGGACCCCGTCAGCCCCAGCCCCTCTCCCCGGGAGCGCGCTGGCGGCGGCCGC
TGCAGTGCAGCTAGCCCGGCTACCGGCTGAGCACCTCATTGAATTTCTGCTGCACCG
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CCCAATTACCAAAATTGAAAAACAAGCCACACTCCATCAGCTGAATCAGATTCTTAGACA
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CATCTTGAGCCCTGTGGTAATTCAGAGTGTCTGCACATTTTGTAGATTACATTCTGG  
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 GCTGGAGCTGTTCCCTGACCAAGCAACACAGCTAAAATGGAATGTTCAAGTTTTGCCTGAC  
 GATCCCTCCCAGCGCGCCGCGATTGCACCTCCTGGGACGCTGCTGTGGTGCTGAAATC  
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 TAGTATTATAGTTCCAATCATTTATGACATGGCTTCAGGTACAACCCAGCAGGCAGACAT  
 TCCCAGACAGCAGAACTTTCTGTTGCTGCTCCCATGATGGTCAGCAACATTCTGAAGAG  
 GTTTGCAGAGATGAATCCACCACGACAAGGTGAATGCACAATATTTGCAGCTGTTCTGTGA  
 TTTAATGGCTAATCTTACACTGCCCCCTGGTGGGCGTCCATAGACACTATTGTTTTTAA  
 CCAGGAAGGCTGACAGATGAGACAACAAAAAAATCTGAATTCAGCCTTCAGTTTAAAAA

AGGAAAAGGACTTTTTTTTAACTTTAAGAGCTAAATATTCTAACTGGCAAAAATTTT  
CAGGGTGCACCTCTTTCATCAAAATGATCATCCATCTTTTGATAATGAAGTTGTATAGT  
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TTAATATTCTGTTTTATACTATAAAGTTATGAAATGCCAACTGTGTTATTTAATTGTT  
TTCTTATGTTTTGGGTGTAATAGTCCTTTTTTGGTTTTGTTTTGTTTTTAAGGCAGGT  
CTGTCATTTTTGAATACTGTAAACTGTGATAAACTTTATATTGAAGCTGATTTTAATA  
TGACCGCTTTGAATCCTTACATGAAATGTTCTGGGAGTTGTTATAAACACACCCCAAGGA  
AGCAATATTTAATAAAA

**5' Read Nucleotide  
Sequence:**

>OriGene 5' read for NM\_004229 unedited  
GGCACCATTGTATACGACTCATATAGGCGCGCCGCAATTTCGCACGAGGCGGCTTCCTG  
TTCTGAGGCGGCGCCGGTAGGCGGTGGCGACTCTGCCCGCTCCCGTTTCGGCGCGGTG  
ACCGAGCGCCCGGAGGCTCGAGGACCGCATCGTGTCCGTTGCGCCAAGCCCGGTCCTG  
CGCCGCCATGGCCCACTGCAGCTGGAGAACCACAGCTGGTCCCGCCGAGGCGGCGG  
CGGGGGCAGCGCGGACCCCGTCAGCCCAAGCCCTCCTCCCGGGAGCCGCGGTGGC  
GGCGGCCGCTGCAGCTGCGGCTAGCCCGGCTACCGGCTGAGCACCTCATTGAATTTCT  
GCTGCACCGGCGCTACTCGGAGCTTATGGTGTGACGGACCTACTGCCAAGGAACTGGA  
TGTGGAAGGAAATAGAAATAGTGCAGTTTGCTAGCCGACACGCCAACTCTTCGTTTCG  
ATTATTAGCTTTAGTGAAATGGGCTAATAATGCTGGCAAAGTGGAAAAATGTGCGATGAT  
TTCAAGCTTTTTAGATCAGCAAGCCATCCTGTTTGTGGACTGCTGATCGCCTGGCCTC  
GTTAGCTAGAGATGCTCTGGTCCATGCACGCTGCCTAGTTTTGCCATCCCATATGCCAT  
TGATGTACTAACTACTGGATCTTACCCACGGCTGCCAACCTGCATTAGGGATAAAATTAT  
TCTCCAGACCAATTACCAAAATTGAAAAACAAGCCACACTCCATCAGCTGAATCAGAT  
TCTTAGACATCGGCTTGAACCAAGATCTTCTTCTCAGTTAGCAAATCTTACAGTTGN  
CAATGGCCGGGTGAAGTTTCGTGTTTGAAGAGAAATTGAAGCCACCTTGACTGTGATGG  
AGATGACCCTGATGTTCCATGGGCGTCTCT

**3' Read Nucleotide  
Sequence:**

>OriGene 3' read for NM\_004229 unedited  
GACGCGCGCAATCTATAGTCGAGNNNTTTTTTTTTTTTTTTTTTTTGGTTTTGAC  
CTAATTTTATTAATATTGCTTCCTTGGGGGGGTTTATAACAATCCCAAAACATTTCA  
TGTAAGGATTCAAAGCGGCATATTAATAACAGCTTCAATATAAAGTTTATCACAGTTT  
TACAGTATTCAAAAATGACAGACCTGCCTTAAAAAACAACAAAAACAAAAAGGACT  
ATTACACCAAAACATAAGAAAAAATTAATAAACAAGTTTGGCATTTCATAACTTTA  
TAGTATAAAACAGAAATATTAATTTATTACTGGCAAACGGACACTGATTTATTCCTTTG  
AAATGTGTCCCATTTAAACACACTATAACAAGTTCATTATACAAAAGATGGATGATCATTT  
TGATGAAAGAAGTGACCCCTGAAAAATTTTGCCAGTTTAGAATATTTAACTCTTAAAGGT  
TAAAAAAAAGTCCTTTTCTTTTTTAACTGAAGGCTGAATTCAGATTTTTTTTGTGG  
CTCATCTGTGAGCCTTCCTGGTTTAAAAACAATAGTGGCTATGGACGCCACCAGGGGGC  
AGTGTAAGATTAGCCATTAATCACGAACAGCTGCAAAATATTGTGATTACCTTGTCGT  
GGTGGATTCTCTGCAAACTCTTCAGAATGTTGCTGACCATCATGGGAGCAGCAACA  
GAAGAGTTCTGCTGTCTGGGAATGTCTGCCTGCTGGGTTGTACCTGAAGCCATGTCATAA  
ATGATTGGAACTACTATACTAACAGGTTCTTGGAGAGGGACCGATGTTTTCTGAGTTAGC  
TGAAGAAAAATAGCATTTTGGATTTTCAAGCACCACAGCAGGCGTCCCATGATGGNTGCA  
TCGCGGCGCTGGGAAGGGATCGNNCAGCAAACTGACATTCATTTANCTGNGTGCTTG  
GCAGGAACAGCTCAGCTACTATGGCCACAATCCTGGGATGGGGGANGAGCTCTATAGCTT  
GTG

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_004229

**Insert Size:**

4890 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>                | <a href="#">NM_004229.2</a> , <a href="#">NP_004220.2</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>RefSeq Size:</b>           | 7984 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>RefSeq ORF:</b>            | 6768 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Locus ID:</b>              | 9282                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID:</b>            | <a href="#">O60244</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Cytogenetics:</b>          | Xp11.4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Protein Families:</b>      | Druggable Genome, Transcription Factors                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Summary:</b>          | The activation of gene transcription is a multistep process that is triggered by factors that recognize transcriptional enhancer sites in DNA. These factors work with co-activators to direct transcriptional initiation by the RNA polymerase II apparatus. The protein encoded by this gene is a subunit of the CRSP (cofactor required for SP1 activation) complex, which, along with TFIID, is required for efficient activation by SP1. This protein is also a component of other multisubunit complexes e.g. thyroid hormone receptor-(TR-) associated proteins which interact with TR and facilitate TR function on DNA templates in conjunction with initiation factors and cofactors. This protein contains a bipartite nuclear localization signal. This gene is known to escape chromosome X-inactivation. [provided by RefSeq, Jul 2008] |