

## Product datasheet for **SC337310**

### **MED15 (NM\_001293237) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MED15 (NM_001293237) Human Untagged Clone
Tag:	Tag Free
Symbol:	MED15
Synonyms:	ARC105; CAG7A; CTG7A; PCQAP; TIG-1; TIG1; TNRC7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_001293237, the custom clone sequence may differ by one or more nucleotides

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ATGAGGAAAGCTGGTGTGGCACACAGTAAATCCAGCAAGGATATGGAGAGCCATGTTTTCTGAAGGCCA
AGACCCGGGACGAATACCTTTCTCTCGTGGCCAGGCTCATTATCCATTTTCGAGACATTCATAACAAGAA
ATCTCAAGCTCCGTCAGTGATCCTATGAATGCACTCCAGAGCCTGACTGGCGGACCTGCTGCGGGAGCC
GCTGGAATTGGCATGCCTCCTCGGGGCCGGGACAGTCTCTGGCGGGATGGGTAGCCTTGGTGCCATGG
GACAGCCAATGTCTCTCTCAGGGCAGCCGCTCCTGGGACCTCGGGGATGGCCCTCACAGCATGGCTGT
CGTGTCTACGGCAACTCCACAGACCCAGCTGCAGCTCCAGCAGGTGGCGTGCAGCAGCAGCAGCAACAG
CAGCAGTTCAGCAGCAGCAGCAGCGGCGCTACAGCAGCAGCAGCAGCAGCAGCAACAGCAGCAGTTCC
AGGCTCAGCAGAGTGCCATGCAGCAGCAGTTCCAAGCAGTAGTGCAGCAGCAGCAGCAGCTCCAGCAGCA
GCAGCAGCAGCAGCAGCAGTCTAATTAATTGCATCATCAAATCAGCAACAGATACAGCAGCAGCAACAG
CAGCTGCAGCGAATAGCACAGCTGCAGCTCCAACAACAGCAACAGCAGCAGCAGCAGCAGCAGCAGCAGC
AGCAGCAGGCTTTCAGGCCCAGCCACCAATTCAGCAGCCACCGATGCAGCAGCCACAGCCTCCGCCCTC
CCAGGCTCTGCCCCAGCAGCTGCAGCAGATGCATCACACACAGCACCACCAGCCGCCACCACAGCCCCAG
CAGCCTCCAGTTGCTCAGAACCAACCATCAAACTCCCGCCACAGTTCGAGACCCAGCCTTTGGTGTACAC
AGGCGCAAGCTCTCCCTGGACAAATGTTGTATACCCAACCACCACTGAAATTTGTCCGAGCTCCGATGGT
GGTGCAGCAGCCCCAGTGCAGCCCCAGGTGCAGCAGCAGCAGACAGCAGTACAGACAGCTCAGGCTGCC
CAGATGGTGGCTCCCGGAGTCCAGGTGAGCCAGAGCAGCCTCCCATGCTGTCTCGCCGTACCCGGGCC
AGCAGGTGCAGACCCCGCAGTCGATGCCCCCTCCCCCAGCCGTCCCCGAGCCCGGCCAGCCAGCTC
ACAGCCCAACTCCAACGTCAGCTCTGGCCCTGCCCATCTCCAGTAGCTTCTGCCAGCCCCTCACCG
CAGCCCTCCAGAGCCCGTGCAGGCGCGGACCCACAGAACTCAGTGTCCCCTCACCTGGACCTTTAA
ACACACCTGTGAACCCAGCTCTGTTCATGAGCCAGCTGGCTCCAGCCAGGCTGAGGAGCAGCAGTACCT
GGACAAGCTGAAGCAGCTGTGCAAGTACATCGAGCCCTGCGCCGCATGATCAACAAGATCGACAAGAAC
GAAGACAGAAAAAAGGACCTGAGTAAGATGAAGAGCCTTCTGGACATTCTGACAGACCCCTCGAAGCGGT
GTCCCCTGAAGACCTTGCAAAAGTGTGAGATCGCCCTGGAGAACTCAAGAATGACATGGCGGTGCCAC
TCCCCACCGCCCCGGTGCCACCGACCAACAGCAGTACCTATGCCAGCCGCTCCTGGATGCCGTCTGTG
GCCAACATCCGCTCACCTGTCTCAACCATTCCCTGTACCGCACATTCGTTCCAGCCATGACCGCCATTC
ACGGCCACCCATCACGGCCCCAGTGGTGTGCACCCGGAAGCGCAGGCTTGAGGATGATGAGCGGCAGAG
CATCCCCAGTGTGCTCCAGGGTGAAGTGGCCAGGCTGGACCCCAAGTTCTGGTAAACCTGGACCCTTCT
CACTGCAGCAACAATGGCACTGTCCACCTGATCTGCAAGCTGGATGACAAGGACCTCCCAAGTGTGCCAC
CACTGGAGCTCAGTGTGCCCGCTGACTATCCTGCCAAAGCCCGCTGTGGATAGACCGGCAGTGGCAGTA
CGACGCCAACCCCTTCTCCAGTCGGTGCACCGCTGCATGACCTCCAGGCTGCTGCAGCTCCCGGACAAG
CACTCGGTACCCGCTTGTCTCAACACCTGGGCCAGAGCGTCCACCAGGCTGCCTCAGCCGCTAG
    
```

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001293237

**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\\_001293237.1](#), [NP\\_001280166.1](#)

**RefSeq Size:** 3523 bp

**RefSeq ORF:** 2169 bp

**Locus ID:** 51586

**Cytogenetics:** 22q11.21

**Protein Families:** Druggable Genome, Transcription Factors

**Gene Summary:** The protein encoded by this gene is a subunit of the multiprotein complexes PC2 and ARC/DRIP and may function as a transcriptional coactivator in RNA polymerase II transcription. This gene contains stretches of trinucleotide repeats and is located in the chromosome 22 region which is deleted in DiGeorge syndrome. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2014]  
Transcript Variant: This variant (6) differs in the 5' UTR, lacks a portion of the 5' and 3' coding region, and initiates translation at a downstream start codon, compared to variant 1. The encoded protein (isoform d) is shorter, compared to isoform a. Variants 4 and 6 encode the same protein (isoform d).