

## Product datasheet for **SC108991**

### **MED25 (NM\_030973) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	MED25 (NM_030973) Human Untagged Clone
Tag:	Tag Free
Symbol:	MED25
Synonyms:	ACID1; ARC92; BVSYS; CMT2B2; P78; PTOV2; TCBAPO758
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL6</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >NCBI ORF sequence for NM\_030973, the custom clone sequence may differ by one or more nucleotides

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ATGGTCCCCGGGTCCGAGGGCCCGCCCGCCGGGAGCGTGGTGGCCGACGTGGTGTGGTATTGAGG
GTACGGCCAACCTGGGACCTACTTCGAGGGGCTCCGCAAGCACTACCTGCTCCCGCCATCGAGTATTT
TAATGGTGGTCTCCTGCTGAGACGGACTTCGGGGGAGACTATGGGGGACCCAGTACAGCCTCGTGGTG
TTCAACACAGTGGACTGCGCTCCCGAGTCTACGTACAATGTCAGCTCCACCAGCAGCGCTATGAGT
TTGTACCTGGCTCGATGGCATTAAAGTTCATGGGCGGGGGTGGTGAAGCTGCAGCCTATCGCGGAAGG
ACTCAGCACAGCCTTGCAGCTGTTTGTGACTTCAAGAAGATGCGCGAGCAGATTGGCCAGACGCCCGG
GTCTGCCTCCTCATCTGCAACTACCCCACTACTTGTTCCTGCTGTTGAGAGCACCACGTACTCTGGAT
GCACAAGTGAATCTTGTGAGCAGATTGGGGAGCGGGGGATCCACTTCTCATTGTGTCTCCCGGAA
GCTGCCTGCGCTTCGGCTTCTGTTTGAAGGCAGCCCCCGGCCTTGTGGAGCCGCTGCAGCCTCCG
ACAGATGTGAGCCAGGACCCGAGGCACATGGTGTGGTTCGGGGACTCGTGTGCCTGTTGGGGTGGCT
CAGCCCCAGGCCCTCCAGTCAAAGCAGCCAGTCCCCCTGCCTCCCGCCGACCCTCAGGTGCCACTCT
CTCAGCAGCCCCCAGCAGCCTCTGCCCCCGTCCCCCGCAGTACCAGGTTCCCGGGAACCTGAGTGCA
GCTCAGGTGGCCGCGAGAATGCAGTGGAGGCTGCCAAGAACCAGAAGGCTGGGCTGGGCCCTCGTCTT
CGCCATCACCCCTCTCCAACAAGCTGCTCCCGGAGTGGGTCCCCCTTCCAGCCAGGCCCCAGCTCCCA
ACTACCCCCAGGACCCCTGGCGCCCCAAGCCACCACCTGCTTCCAGCCAGTCTGGTCTCCACTGTG
GCCCTGGCTCCGGCTGGCTCCACGGCACAGCCCGGGCACCCTCCATGGCAGGCACTGTGGCCCCAG
GAGGGGTGAGCGGCCCTTCCCCAGCCAGCTGGGAGCCCCAGCCCTCGGTGGGCAGCAGTCACTCCAA
TAAGCTTCTGGCTGGAGCGGGTCTGGAGTGGCAAGAGAAACCCAAACCTGCCTCAGTGGATGCCAAC
ACCAAGCTGACGCGGTCACTGCCCTGCCAGTCTACGTGAATCATGGCGAGAACCCTGAAGACGGAGCAGT
GGCCCCAGAAGCTGATCATGCAGCTCATCCCCCAGCAGTGTGACCACCCTGGGCCCTTGTTCGGAA
CTCAAGGATGGTCCAGTTCATTTACCAACAAGGACCTGGAGTCTCTCAAAGGCCTTACCGCATCATG
GGCAACGGCTTCGCGGGCTGCGTCACTTCCCCACACGGCGCCCTGTGAGGTGCGCGTGTCTGCTCC
TGTAAGTCCAAGAAGAAGATCTTCAAGGCCTCATCCCTACGACCAGAGCGGCTTCTGCAACGGCAT
CCGGCAGGTATCACCAACCACAAGCAGGTCCAGCAGCAGAAGCTGGAGCAGCAGCAGCGAGGAATGGG
GGACAGCAGGCACCCCGAGGCTGGGGCCATTCTGGAGGACCAAGCCAGGCCCTCACAGAATCTGCTCC
AGCTCCGCCACCCGAGCCCGAGCCTCAGGTACCGTAGGGCCCTCTGGGGCCACGGGGCAGCCCCAGCC
CAAGGTACTGCCAGCCCCCGCAGGTGCCCTCAAGGCCCTCTGGAGCAGTCTTGCCACCCCT
CCTGGACCCATCCTTCGGCCCCAGAACCCTGGGGCCAACCCTCAGCTGCGAAGCCTCCTCTCAACCCAC
CACCGCCGACACTGGGGTGCCTCCACCCAGGCTCCCTCCACCACCTCCAGCCACCAGGGGCTCTGC
GCTGTGCTCCGCCGACACAGGGCTGGGGCAGCCCCAGTTGGGGCCCCACTCCTGCATCCACCACCT
GCCAGTCTGGCCCGCACAACCTCCCCCTCGGGTCCACTGCCAGGTGATGCTGTGAGCGGGGGT
CCCGGGGCCGGTCCCCCAGCGGGCTGCAGCCAGCGTATGGAGGACGACATCTCATGGATCTCAT
CTGA
```

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_030973 unedited  
 TATAACACCCGCCCTGTTGAACGCAAATGGGCGGTAGGCGTGTACGGTGGGCAGGTCTAT  
 ATAAGCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCG  
 GCCGGAATTCGGCAGGAGGGTGGCGGGTACCGCACGGGGTATGGTCCCCGGGTCGGAGG  
 GCCCGGCCCGCCGGGAGCGTGGTGGCCGACGTGGTGTGTGATTGAGGGTACGGCCA  
 ACCTGGGACCCTACTTCGAGGGGCTCCGCACGCACTACCTGCTCCCGCCATCGAGTATT  
 TTAATGGTGGTCTCTGCTGAGACGGACTTCGGGGGAGACTATGGGGGGACCCAGTACA  
 GCCTCGTGGTGTCAACACAGTGGACTGCGCTCCGAGTCTACGTACAATGTCACGCTC  
 CCACCAGCAGCGCCTATGAGTTTGTACCTGGCTCGATGGCATTAAAGTTCATGGGCGGGG  
 GTGGTGAAGAGCTGCAGCCTCATCGCGAAGGACTCAGCACAGCCTTGCAGCTGTTTGATG  
 ACTTCAAGAAGATGCGCGAGCAGATTGGCCAGACGCCGGGTCTGCCTCCTCATCTGCA  
 ACTCACCCCATACTTGTGCTGCTGTTGAGAGCACCACGTACTCTGGATGCACAAGT  
 AGCATCTGTGCAGCAGATTGGGGAGCGGNGGCCACCACTTCTCCATTNGTCTCCCCGCA  
 GCTGCCTGCGCTTTCGCTTCTGATTGAGAGGCAGCCCCCTCGCCTTGCTGAGCGTGCAC  
 GCTCCGAAGATGTAGCTGGACCTGAGACAGGGGCTTGTGGGACTCGGCTGCTGTTGGG  
 GGGGTTAACTAGGCCCTTTAGTAAGGAGCCGGCCCTTGCTTCCCCGCACCTAGGGCA  
 TTTTTAAAGCA

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_030973 unedited  
 TTTCCCTGGGAATTAACATAGNACCCGCGCCGCTTNCANGATCGAGTTTTTTTTTTT  
 TTTTTTATCATCAAATCGGATCTTTACTCAACTATGGTGAATGCATGGAACATAATACA  
 AACATGGATGTTACTGGAGTTTATATTTTTAAATTCAAAATTGAAAAATACAAATTGAA  
 AAATAGAAATATTTAATTATTAATAATTTCTCTTCATAATTCTTTTTCGCCTTTGAGT  
 TGAAGCCAAAAGGCTGGCGTCTTCCCTTCCACACCGAGATGTCAGTGTACGGCCTCGGGT  
 GGCACGGTGGGGACGGGAGTTTGAATTCAGCCTTGAATCCTTCAACTGGGAACGATGT  
 TTAATTTGATTAGGTTTCGTAACGGAAAACAGCTGTTCACAAGCGTGGGACTCCCAAAC  
 ACAGATATTCAGGACAACTACTGGAGATAGTTGTAGAATCTCACCATCTTACACAGAC  
 TTGATTTAGGAACAGCGCCGATTGCACTGTAGTTCAATTACTATTTATGGTCTGCAT  
 TCACACAAGAAACATCTGCCAACAAAGGCAAACTGGACAGTGTCTGTTCCCTTCTCATGAG  
 TCTGGATTCCGAGAGCCTTTGGGGGAATTTGGTCTTCAACCCAGGACGTAGGTGAATAC  
 AGTCCGGGCCACCTCTTTCATTTCTGAAAGCCGACTGCAGCACAGGAAAGAGTAAAGGTT  
 TTTTTTCTTGCCGGTGGATTCCCCAGGACCAAGCATACACCATCATAATTCAAGTAGC  
 TGTTTAGGGACATCCTTGCGGAGAAATATTCAGTGTTCAGAACGGTCATAACCTTGACCA  
 GAAGTCTTTGA

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_030973

**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).

**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\\_030973.2](#), [NP\\_112235.2](#)

**RefSeq Size:** 2335 bp

**RefSeq ORF:** 2244 bp

**Locus ID:** 81857

**UniProt ID:** [Q71SY5](#)

**Cytogenetics:** 19q13.33

**Gene Summary:** This gene encodes a component of the transcriptional coactivator complex termed the Mediator complex. This complex is required for transcription of most RNA polymerase II-dependent genes. The encoded protein plays a role in chromatin modification and in preinitiation complex assembly. Mutations in this gene are associated with Charcot-Marie-Tooth disease type 2B2. [provided by RefSeq, Apr 2010]