

## Product datasheet for **MC226062**

### Med27 (NM\_001290489) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Med27 (NM\_001290489) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Med27  
**Synonyms:** 1500015J03Rik; 2310042P07Rik; AA682045; Crsp8; D2Ertd434e  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226062 representing NM\_001290489  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGTGTGTCTGCCAAGCGGAGACCGAAGGCCAGCCACCCTCTGGTCTACCACCTCAGTATGTCC  
ATGACGTGATCAGCCGATTGACAGAATGTTCCAGAGATGTCCATTCATTATCGAGACCAATGGGAC  
TTCAGCAATGCTTCTGGTGACCTTGGGGAAGGTGTTGAAAGTCATTGTGGTCATGAGGAGCTGTTTCATC  
GATCGCACGATTGTGAAGGGGATAATGAGAGCGTCTACACAGAGGATGGAAGCTGGACATATGGTCCA  
AATCCAGCTACCAAGTGTCCAGAAGGTGACAGACCATGCCACCCTGCCCTGCTTCACTATCAGTTACC  
CCAGATGCCAGACGTCGTGGTCAGGTCCTTCATGACCTGGCTGAGAAGCTACATTAAGCTGTTCCAGGCC  
CCGTGCCAGCGCTGTGGGAAGTTTCTACAAGATGGCCTTCCCCGACGTGGAGAGACTTCCGAACCCTGG  
AAGCTTCCATGACACCTGCCGACAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001290489  
**Insert Size:** 519 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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<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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><a href="#">NM_001290489.1</a></u> , <u><a href="#">NP_001277418.1</a></u>
<b>RefSeq Size:</b>	1002 bp
<b>RefSeq ORF:</b>	519 bp
<b>Locus ID:</b>	68975
<b>Cytogenetics:</b>	2 19.84 cM
<b>Gene Summary:</b>	<p>Component of the Mediator complex, a coactivator involved in the regulated transcription of nearly all RNA polymerase II-dependent genes. Mediator functions as a bridge to convey information from gene-specific regulatory proteins to the basal RNA polymerase II transcription machinery. Mediator is recruited to promoters by direct interactions with regulatory proteins and serves as a scaffold for the assembly of a functional preinitiation complex with RNA polymerase II and the general transcription factors (By similarity). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) lacks two 5' exons but instead contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and initiates translation at a downstream in-frame start codon, compared to variant 1. The encoded isoform (c) is shorter at the N-terminus, compared to isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>