

Product datasheet for **RG216296**

MED29 (NM_017592) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MED29 (NM_017592) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MED29
Synonyms:	IXL; MED2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG216296 representing NM_017592 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGAAAAGCAACGGGGAGAGACGCAGTCGTAACGCACTTCCGGCGGTCTACGCGAGGAAGATGGCTG
 CATCCCAGCAGCAAGCTTCAGCGGCTTCCTCAGCTGCTGGTGTATCGGGTCCTAGTTCGGCTGGCGGCC
 GGGTCCCCAGCAGCAGCCGCAACCGCCAGCACAACTGGTGGGCCCTGCCAGAGCGGCCTCTGCAGCAA
 CAGCAACAGGACTTCGATCCTGTGCAGCGTTATAAGATGCTCATCCGCAGCTGAAGGAGAGTCTACAGA
 CCTTGATGAAGGTTGCGGCCAAAACCTTGATTGAGAACTAACATCGACAATGGACAAAAGAGCAGTGA
 TGGACCCATACAGCGCTTTGACAAGTGCCTGGAAGAGTTCTATGCACTCTGTGACCAGCTGGAGCTGTGC
 CTGCGCCTGGCGCATGAGTGCCTGTACAGAGTTGTGACAGTGCCAAGCACTCTCCAACGTTGGTGCCCA
 CAGCCACCAAGCCCGACGCAGTGCAGCCTGACAGCCTCCCTACCCACAGTACCTGGCGGTATCAAAGC
 CCAGATTTCTGTGCCAAGGACATTACACCGCCCTGCTGGACTGTGCCAACAAGGTCACGGGCAAGACA
 CCCGCACCACCTGCTGGCCTGGGGCACTCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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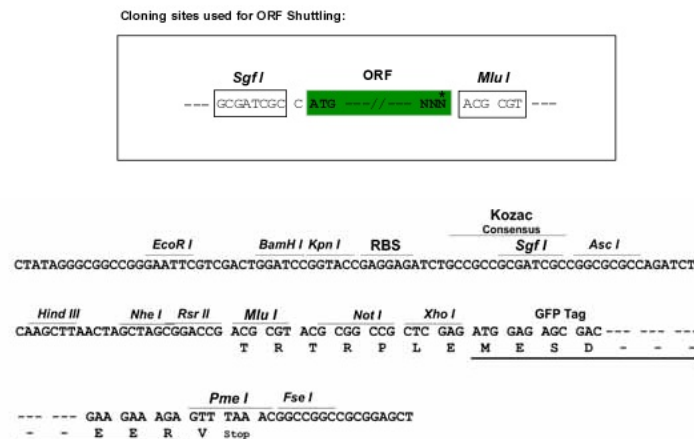
Protein Sequence: >RG216296 representing NM_017592
 Red=Cloning site Green=Tags(s)

MLKSNGERRSRNALPAVYARKMAASQQQASAASSAAGVSGPSSAGGPGPQQQPQPPAQLVGPAQSGLLQQ
 QQQDFDPVQRYKMLIPQLKESLQTLMKVAAQNLIQNTNIDNGQKSSDGPQRFDKCLEEFYALCDQLELC
 LRLAHECLSQSCDSAKHSPTLVPTATKPDVQPDSPYPQYLAVIKAQISCAKDIHTALLDCANKVTGKT
 PAPPAGPGGTL

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_017592

ORF Size: 663 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_017592.2](#), [NP_060062.1](#)

RefSeq Size: 3604 bp

RefSeq ORF: 603 bp

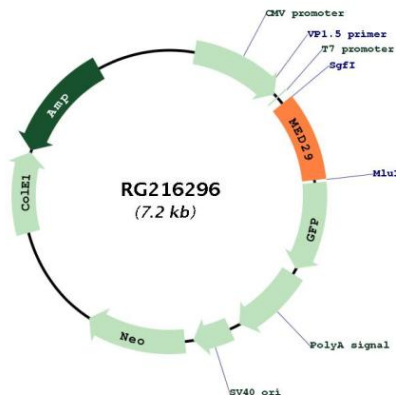
Locus ID: 55588

UniProt ID: [Q9NX70](#)

Cytogenetics: 19q13.2

Gene Summary: MED29 is a subunit of the Mediator complex, a multiprotein coactivator of RNA transcription that interacts with DNA-bound transcriptional activators, RNA polymerase II (see MIM 180660), and general initiation factors (Sato et al., 2003 [PubMed 14576168]).[supplied by OMIM, Aug 2009]

Product images:



Circular map for RG216296