

## Product datasheet for **RG203152**

### trfp (MED20) (NM\_004275) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	trfp (MED20) (NM_004275) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MED20
Synonyms:	PRO0213; SRB2; TRFP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203152 representing NM_004275 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGAGTGACTTGTGTGTCCCAGATGCCTGTGGCCGAGGGCAAGAGTGTTTCAGCAAACCGTAGAGCTCC  
TTACCCGAAATTGGAGATGCTTGGGCGAGAGAAGCAAGGAACATTTTGTGTGGACTGTGAGACTTACCA  
TACGGCCGCTCTACCTTGGCAGCCAAGGTGAGACCGGAAGCTGATGTATGTGATGCACAACCTCAGAG  
TACCCATTGAGCTGTTTCGCCCTCTTTGAGAATGGCCCTTGCCCTATTGCTGACACCAACTTTGATGTGC  
TTATGGTGAAGCTCAAGGGCTTTTTCCAGAGTGCTAAGGCCAGCAAGATTGAGACCGGGGCACCAGGTA  
CCAGTACTGTGACTTCTGGTGAAGGTGGGCACGGTCACAATGGGGCCAGTGCCCGGGGCATCTCTGTG  
GAGGTGGAGTATGGCCCTGTGTGGTAGCTAGTACTGCTGGAGTCTGCTGCTCGAGTTCCTACAGATT  
TTCTAGGCAGCCACACACCAGGGGCTCCCGCAGTGTGGGAACAGACATGATGCGGTCTACGGCCAGC  
AGATACCATGGTCCAGTACATGGAACCTTCAACAAGATCCGCAAGCAGCAGCAGGTGCCGGTGGCTGGG  
ATTCGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203152 representing NM\_004275  
 Red=Cloning site Green=Tags(s)

MGVTCVSQMPVAEGKSVQQTVELLTRKLEMLGAEKQGTFCVDCETYHTAASTLGSQGQTGKLMYVMHNSE  
 YPLSCFALFENGPCLIADTNFDVLMVKLGKFFQSAKASKIETRGRTRYQYCDFLVKVGTVTMGPSARGISV  
 EVEYGPCVVASDCWSLLLEFLQSFLLGSHTPGAPAVFGNRHDAVYGPADTMVQYMELFNKIRKQQQVPVAG  
 IR

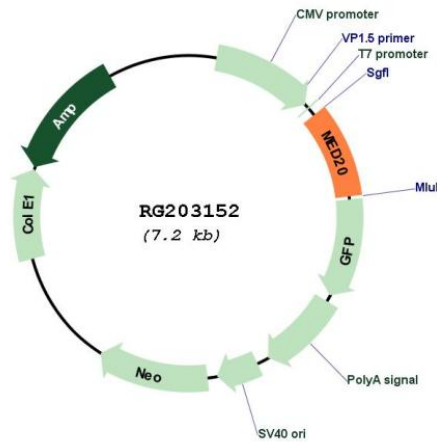
TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_004275

ORF Size: 636 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_004275.5</a>
<b>RefSeq Size:</b>	2478 bp
<b>RefSeq ORF:</b>	639 bp
<b>Locus ID:</b>	9477
<b>UniProt ID:</b>	<a href="#">Q9H944</a>
<b>Cytogenetics:</b>	6p21.1
<b>Gene Summary:</b>	This gene encodes a component of the mediator complex (also known as TRAP, SMCC, DRIP, or ARC), a transcriptional coactivator complex thought to be required for the expression of almost all genes. The mediator complex is recruited by transcriptional activators or nuclear receptors to induce gene expression, by interacting with RNA polymerase II and promoting the formation of a transcriptional pre-initiation complex. A mutation in this gene has been associated with a novel infantile-onset neurodegenerative movement disorder. Alternatively spliced transcript variants have been identified. [provided by RefSeq, Mar 2015]