

## Product datasheet for **RG231122**

### MFAP4 (NM\_001198695) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MFAP4 (NM_001198695) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MFAP4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG231122 representing NM_001198695 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGGAACTGAGCCCACTCCAGAGGCCCTGGCCACAGAGGGCACTATGAAGGCACAAGGAGTTCTCT  
TGAAACTCGCACTCCTGGCCCTGCCGCTGCTGCTTCTCTCCACGCCCGTGTGCCCCAGGTCTC  
CGGGATCCGAGGAGATGCTCTGGAGAGGTTTTGCCTTCAGCAACCCCTGGACTGTGACGACATCTATGCC  
CAGGGCTACCAGTCAGACGGCGTGTACCTCATCTACCCCTCGGGCCCACTGTGCCTGTGCCCGTCTTCT  
GTGACATGACCACCGAGGGCGGAAGTGGACGGTTTTCCAGAAGAGATTCAATGGCTCAGTAAGTTTCTT  
CCGCGGCTGGAATGACTACAAGCTGGGCTTCGGCCGTGCTGATGGAGAGTACTGGCTGGGGCTGCAGAAC  
ATGCACCTCCTGACACTGAAGCAGAAGTATGAGCTGCGAGTGGACTTGGAGGACTTTGAGAACAACACGG  
CCTATGCCAAGTACGCTGACTTCTCCATCTCCCGAACGCGGTCAGCGCAGAGGAGGATGGCTACACCCCT  
CTTTGTGGCAGGCTTTGAGGATGGCGGGCAGGTGACTCCCTGTCTACACAGTGGCCAGAAGTTCTCT  
ACCTTCGACCGGGACCAGGACCTCTTTGTGCAGAACTGCGCAGCTCTCTCCTCAGGAGCCTTCTGGTTCC  
GCAGCTGCCACTTTGCCAACCTCAATGGCTTCTACCTAGGTGGCTCCACCTCTCTATGCCAATGGCAT  
CAACTGGGCCAGTGAAGGGCTTCTACTACTCCCTCAAACGCACTGAGATGAAAATCCGCCGGCC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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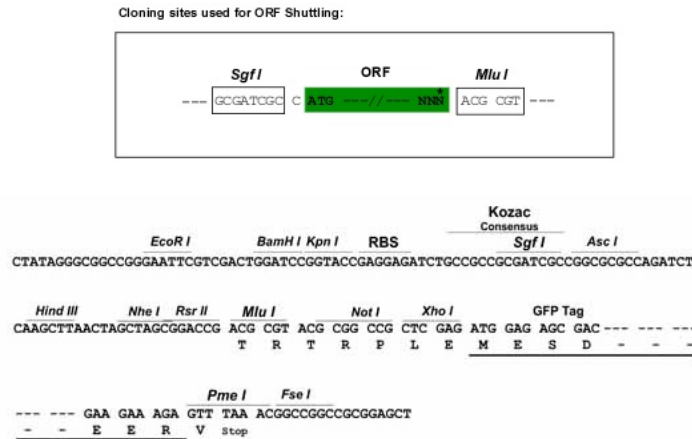
**Protein Sequence:** >RG231122 representing NM\_001198695  
Red=Cloning site Green=Tags(s)

MGELSPLQRPLATEGTMKAQGVLLKALLALPLLLLLSTPPCAPQVSGIRGDALERFCLQQPLDCDDIYA  
 QGYQSDGVYLIYPSGSPVPVPVFCDMTTEGGKWTVFQKRFNGSVSFFFRGWNDYKLGFGRADGEYWLGLQN  
 MHLLTLKQKYELRVDLEDFENNTAYAKYADF SISPNAVSAEEDGYTLFVAGFEDGGAGDSL SYHSGQKFS  
 TFDRDQDLFVNCAALSSGAFWFRSCHFANLNGFYLGSSHLSYANGINWAQWKGFYYSLKRTEMKIRRA

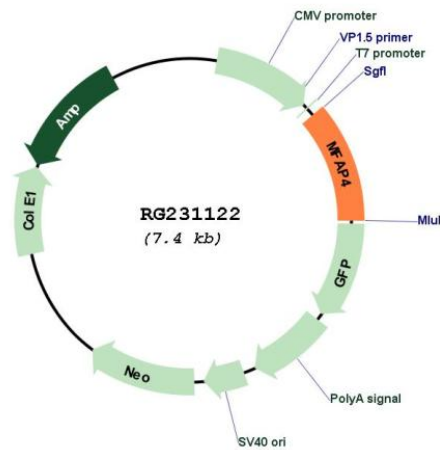
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_001198695

**ORF Size:** 837 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_001198695.2</a>
<b>RefSeq Size:</b>	1978 bp
<b>RefSeq ORF:</b>	840 bp
<b>Locus ID:</b>	4239
<b>UniProt ID:</b>	<a href="#">P55083</a>
<b>Cytogenetics:</b>	17p11.2
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	This gene encodes a protein with similarity to a bovine microfibril-associated protein. The protein has binding specificities for both collagen and carbohydrate. It is thought to be an extracellular matrix protein which is involved in cell adhesion or intercellular interactions. The gene is located within the Smith-Magenis syndrome region. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2010]