

## Product datasheet for **MR223402**

### Gtf2a1 (NM\_175335) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gtf2a1 (NM_175335) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gtf2a1
Synonyms:	6330549H03Rik; AA536742; AA959775; AW060250; Tfii1a1; TfiiAa/b
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>MR223402 representing NM_175335 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGAACTCGGCAAACACAAACACCGTGCCTAAATTGTATAGATCTGTGATTGAAGATGTTATTAATG  
ACGTACGAGACATTTTTCTGGATGACGGAGTGGATGAACAAGTCCTGATGGAACAAAACTTTGTGGGA  
GAATAAACTAATGCAGTCTAGGGCAGTAGATGGATTTTCATTTCAGAAGAACAGCAGCTTTTGTGCAAGT  
CAGCAGCAGCATCAACCCAGCAGCAGCAGCATCACACCACCACCACCAGCACCAGCAAGCGCAACCTC  
AGCAAACGGTACCTCAGCAAGCACAGACCCAGCAGGTCCTCATTCTGCATCCCAGCAAGCTACAGCACC  
ACAAGTTATTGTTCTGATTCTAAGTTGCTACAACATATGAATGCATCAAGTATTACGAGTGTGCTGCT  
ACAGCTGCTACCTGGCACTGCCTGCAGGAGTGACTCCGGTTCACAGCTACTAACAAATTCAGGCCAGC  
TGCTTCAGGTGGTCAGAGCAGCCAATGGTGCCAGTATATCTTGCAGCCTCAGCAGTCAGTTGTTCTACA  
ACAACAAGTTATACCACAAATGCAGCCTGGTGGAGTCCAAGCTCCTGTTATCCAGCAGGTCTTAGCCCCA  
CTTCTGGAGGGATTTACCACAGACAGGCGTCATCATCCAGCCACAGCAATCTTATTTACAGGAAATA  
AGACTCAGGTCATTCTACAACAGTGGCAGCACCCGCCGCAAGCGCCGATGCCTGCAGCCGGACA  
GCAGCAGCCACAGGCCAGCCTGCCAACAGCAAGCTCCGTTGGTGTGCAAGTTGATGGAACAGGGGAT  
ACATCTTCTGAGGAAGATGAAGATGAAGAAGAAGACTATGATGATGATGAGGAAGAAGATAAAGAGAAAG  
ATGGAGCTGAAGATGGGCAGGTGGAAGAAGAGCCGCTCAACAGCGAGGATGACGTCAGTGTGCGAGGAAGG  
GCAGGAACTCTTTGACACTGAGAATGTTGTCGTCTGCCAGTATGATAAGATACACAGAAGTAAAAATAAA  
TGGAAATTTTCATCTCAAGGATGGCATTATGAATCTTAACGGAAGAGATTATATTTTCCAAGCCATTG  
GAGATGCAGAGTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR223402 representing NM\_175335  
Red=Cloning site Green=Tags(s)

MANSANTNTVPKLYRSVIEDVINDVRDIFLDDGVDEQVLMELKTLWENKLMQSRAVDGFHSEEQQLLQV  
 QQQHQPQQQHHHHHHQHQAQPQQTVPQQAQTQVLIPASQQATAPQVI VPD SKLLQHMNASSITSA  
 TAATLALPAGVTPVQQLLTNSGQLLQVRAANGAQYILQPQSSVVLQQQVIPQMOPGGVQAPVIQQVLAP  
 LPGGISPQTGVIIQPQQILFTGNKTQVIPTTVAAPAPAQAPMPAAGQQPQAQPAQQQAPLVLQVDGTGD  
 TSSEEDEDEEYDDDEEEDKEKDKGAEDGQVEEPLNSEDDVSVEEGQELFDTENVVVCQYDKIHRSKNK  
 WKFHLKDGIMNLRDYLIFSKAIGDAEW

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

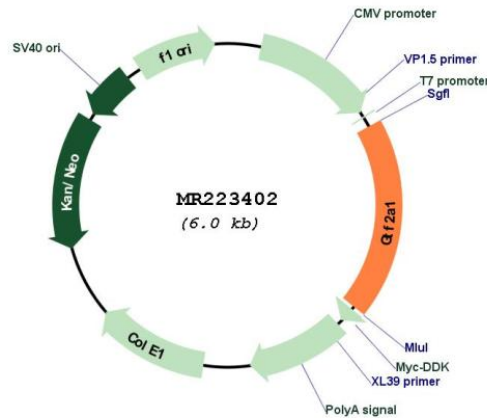
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_175335

<b>ORF Size:</b>	1134 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 Size:</b>	5691 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	83602
<b>UniProt ID:</b>	<a href="#">Q99PM3</a>
<b>Cytogenetics:</b>	12
<b>MW:</b>	37.7 kDa
<b>Gene Summary:</b>	TFIIA is a component of the transcription machinery of RNA polymerase II and plays an important role in transcriptional activation. TFIIA in a complex with TBP mediates transcriptional activity (By similarity).[UniProtKB/Swiss-Prot Function]