

Product datasheet for **MC225505**

Gtf2a2 (NM_001282084) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gtf2a2 (NM_001282084) Mouse Untagged Clone
Tag: Tag Free
Symbol: Gtf2a2
Synonyms: TFIIA-gamma; Tfii2; Tfllg
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC225505 representing NM_001282084
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

**ATGGCCTATCAGTTATACAGAAATACAACCTTTGGGGAACAGTCTTCAAGAGAGCCTTGATGAGCTCATA
AGTCTCAACAGATCACCCCGCTTGCCTTCAAGTTCTACTTCAGTTTGATAAAGCTATAAATTCAGC
ATTGGCTCAGAGAGTCAGGAACAGAGTCAATTCAGGATACTGGCTCGAATACTACGGAATGAGTAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001282084
Insert Size: 207 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).

OTI Annotation: Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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).



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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_001282084.1](#), [NP_001269013.1](#)

RefSeq Size: 768 bp

RefSeq ORF: 207 bp

Locus ID: 235459

Cytogenetics: 9 D

Gene Summary: 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]
Transcript Variant: This variant (3) lacks an exon in the internal coding region, which leads to a translational frameshift, compared to variant 1. The encoded isoform (2) has a shorter and distinct C-terminus, compared to isoform 1.