# TFIIIC90 Antibody (N-Term) Blocking Peptide

## PRODUCT OVERVIEW

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| **Product Name** | TFIIIC90 (GTF3C4), Blocking Peptide |
| **Full Product Name** | TFIIIC90 Antibody (N-term) Blocking peptide |
| **Product Gene Name** | GTF3C4 blocking peptide |
| **Product Synonym Names** | General transcription factor 3C polypeptide 4; TF3C-delta; Transcription factor IIIC 90 kDa subunit; TFIIIC 90 kDa subunit; TFIIIC90; Transcription factor IIIC subunit delta; GTF3C4 |
| **Form/Format** | Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml. |
| **Preparation and Storage** | Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C. |
| **Antibody/Peptide Pairs** | TFIIIC90 peptide (MBS9218756) is used for blocking the activity of TFIIIC90 antibody (MBS9205140) |
| **Molecular Weight** | 91,982 Da |
| **OMIM** | 604892 |
| **Cellular Location** | Nucleus. |
| **Related Product Information for GTF3C4 blocking peptide** | Essential for RNA polymerase III to make a number of small nuclear and cytoplasmic RNAs, including 5S RNA, tRNA, and adenovirus-associated (VA) RNA of both cellular and viral origin. Has histone acetyltransferase activity (HAT) with unique specificity for free and nucleosomal H3. May cooperate with GTF3C5 in facilitating the recruitment of TFIIIB and RNA polymerase through direct interactions with BRF1, POLR3C and POLR3F. May be localized close to the A box. |
| **Other Notes** | Small volumes of GTF3C4 blocking peptide vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply. |
| **Searchable Terms for GTF3C4 purchase** | MBS9218756 is a blocking peptide targeting GTF3C4. Also known as TFIIIC90 Antibody (N-term) Blocking peptide. |

## ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GTF3C4. It may not necessarily be applicable to this product.

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| **NCBI GI #** | 212276467 |
| **NCBI GeneID** | 9329 |
| **NCBI Accession #** | Q9UKN8.2 |
| **UniProt Primary Accession #** | Q9UKN8 |
| **UniProt Secondary Accession #** | Q5VZJ7 |
| **UniProt Related Accession #** | Q9UKN8 |
| **NCBI Official Full Name** | General transcription factor 3C polypeptide 4 |
| **NCBI Official Synonym Full Names** | general transcription factor IIIC subunit 4 |
| **NCBI Official Symbol** | GTF3C4 |
| **NCBI Official Synonym Symbols** | KAT12; TFIII90; TFIIIC90; TFIIIC290; TF3C-delta; TFIIICDELTA |
| **UniProt Protein Name** | General transcription factor 3C polypeptide 4 |

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|---|---|
| **UniProt Synonym Protein Names** | TF3C-delta; Transcription factor IIIC 90 kDa subunit; TFIIIC 90 kDa subunit; TFIIIC90; Transcription factor IIIC subunit delta |
| **Protein Family** | General transcription factor 3C polypeptide |
| **UniProt Gene Name** | GTF3C4 |
| **UniProt Synonym Gene Names** | TFIIIC 90 kDa subunit; TFIIIC90 |
| **UniProt Entry Name** | TF3C4_HUMAN |
| **NCBI Protein Information** | general transcription factor 3C polypeptide 4 |
| **UniProt Comments for GTF3C4** | GTF3C4: Essential for RNA polymerase III to make a number of small nuclear and cytoplasmic RNAs, including 5S RNA, tRNA, and adenovirus-associated (VA) RNA of both cellular and viral origin. Has histone acetyltransferase activity (HAT) with unique specificity for free and nucleosomal H3. May cooperate with GTF3C5 in facilitating the recruitment of TFIIIB and RNA polymerase through direct interactions with BRF1, POLR3C and POLR3F. May be localized close to the A box. Belongs to the TFIIIC subunit 4 family.<br><br>Protein type: EC 2.3.1.48; Acetyltransferase<br><br>Chromosomal Location of Human Ortholog: 9q34.13<br><br>Cellular Component: nucleoplasm; transcription factor TFIIIC complex<br><br>Molecular Function: DNA binding; enzyme activator activity; protein binding<br><br>Biological Process: 5S class rRNA transcription; transcription from RNA polymerase III promoter; transcription initiation from RNA polymerase III promoter; transcription, DNA-dependent; tRNA transcription from RNA polymerase III promoter |
| **Research Articles on GTF3C4** | **1.** Observational study and genome-wide association study of gene-disease association. (HuGE Navigator) |
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