

Recombinant Mouse Gtf3a Protein, His&GST-tagged

Cat. No. Gtf3a-1605M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Gtf3a Protein (Gly166-Cys364) with N-His&GST tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Gly166-Cys364
Description	The product of this gene is a zinc finger protein with nine Cis[2]-His[2] zinc finger domains. It functions as an RNA polymerase III transcription factor to induce transcription of the 5S rRNA genes. The protein binds to a 50 bp internal promoter in the 5S genes called the internal control region (ICR), and nucleates formation of a stable preinitiation complex. This complex recruits the TFIIC and TFIIIB transcription factors and RNA polymerase III to form the complete transcription complex. The protein is thought to be translated using a non-AUG translation initiation site in mammals based on sequence analysis, protein homology, and the size of the purified protein.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 52.9 kDa Accurate Molecular Mass: 53 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Gtf3a general transcription factor III A [Mus musculus (house mouse)]
Official Symbol	Gtf3a
Synonyms	GTF3A; general transcription factor III A; transcription factor IIIA; TFIIIA; factor A; 2010015D03Rik; 2610111I01Rik; 5330403M05Rik;
Gene ID	66596
mRNA Refseq	NM_025652
Protein Refseq	NP_079928
UniProt ID	Q8VHT7

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