

Recombinant Rat Gtf3a protein, His & T7-tagged

Cat. No. Gtf3a-1681R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Gtf3a aa. (Val69~His363 (Accession # Q8VHT8)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Val69~His363
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 TFIIB 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	43kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)

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Purity	>90%
Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH ₂ O.
Isoelectric Point	9.5

GENE INFORMATION

Gene Name	Gtf3a general transcription factor III A [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Gtf3a
Synonyms	Gtf3a; general transcription factor III A; transcription factor IIIA; TFIIIA; factor A
Gene ID	246299
mRNA Refseq	NM_001113570.1

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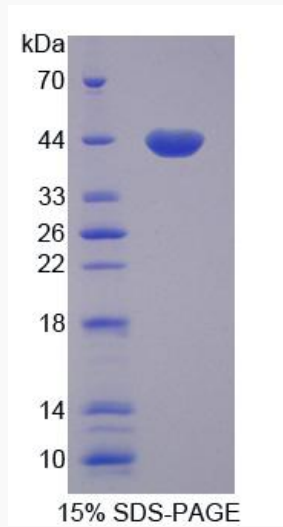
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Protein Refseq NP_001107042.1

UniProt ID Q8VHT8

SDS-PAGE



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