

Recombinant Human GTF3A protein, His & T7-tagged

Cat. No. GTF3A-1057H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GTF3A aa. (Val71~Gly365 (Accession # Q92664) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Val71~Gly365
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	Predicted Molecular Mass: 37.7kDa.
Endotoxin	<1.0EU per 1g (determined by the LAL method)

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Purity	>90%
Characteristic	The isoelectric point is 9.5.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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.

GENE INFORMATION

Gene Name	GTF3A general transcription factor IIIA [Homo sapiens (human)]
Official Symbol	GTF3A
Synonyms	GTF3A; general transcription factor IIIA; AP2; TFIIIA; transcription factor IIIA
Gene ID	2971

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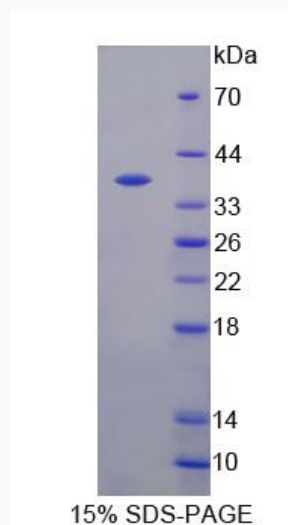
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mRNA Refseq [NM_002097.2](#)

Protein Refseq [NP_002088.2](#)

UniProt ID [Q92664](#)

SDS-PAGE



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