

Recombinant Human general transcription factor IIIC, polypeptide 6, alpha 35kDa, His-tagged

Cat. No. GTF3C6-662H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GTF3C6, 1-213aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-213 a.a.
Description	RNA polymerases are unable to initiate RNA synthesis in the absence of additional proteins called general transcription factors (GTFs). GTFs assemble in a complex on the DNA promoter and recruit the RNA polymerase. GTF3C family proteins (e.g., GTF3C1, MIM 603246) are essential for RNA polymerase III to make a number of small nuclear and cytoplasmic RNAs, including 5S RNA (MIM 180420), tRNA, and adenovirus-associated (VA) RNA of both cellular and viral origin. Recombinant human GTF3C6 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In PBS buffer (pH 7.4) containing 10% glycerol, 1mM DTT
Molecular Mass	26.4kDa (236aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMAAAADE RSPEDGEDEE EEEQLVLVEL SGIIDSDFLS KCENKCKVLG IDTERPILQV DSCVFAGEYE DTLGTCVIFE ENVEHADTEG NNKTVLKYKC HTMKKLSMTR TLLTEKKEGE ENIGGVEWLQ

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IKDNDFSYP NMICNFLHEN EDEEVVASAP DKSLELEEEE IQMNDSSNLS
CEQEKPMHLE IEDSGPLIDI PSETEGSVFM ETQMLP

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 0.5 mg/ml (determined by BRADFORD assay)

GENE INFORMATION

Gene Name [GTF3C6 general transcription factor IIIC, polypeptide 6, alpha 35kDa \[Homo sapiens \]](#)

Official Symbol GTF3C6

Synonyms GTF3C6; general transcription factor IIIC, polypeptide 6, alpha 35kDa; C6orf51, chromosome 6 open reading frame 51; general transcription factor 3C polypeptide 6; bA397G5.3; TFIIC35; TFIIC 35 kDa subunit; transcription factor IIIC 35kDa; transcription factor IIIC subunit 6; transcription factor IIIC 35 kDa subunit; C6orf51;

Gene ID [112495](#)

mRNA Refseq [NM_138408](#)

Protein Refseq [NP_612417](#)

MIM [611784](#)

UniProt ID [Q969F1](#)

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Chromosome Location	6q21
Function	contributes_to DNA binding; protein binding;