

# Recombinant human GTF2H5 protein

Catalog Number: ATGP2882

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-71aa

### UniProt No.

Q6ZYL4

### NCBI Accession No.

NP\_997001

### Alternative Names

General transcription factor IIH subunit 5, General transcription factor IIH subunit 5, bA120J8.2, C6orf175, TFB5, TFIIH, TGF2H5, TTD, TTD-A, TTDA

## PRODUCT SPECIFICATION

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### Molecular Weight

10.4 kDa (94aa) confirmed by MALDI-TOF

### Concentration

1mg/ml (determined by Bradford assay)

### Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol

### Purity

> 95% by SDS-PAGE

### Tag

His-Tag

### Application

SDS-PAGE

### Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

## BACKGROUND

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### Description

GTF2H5 is a subunit of transcription/repair factor TFIIH, which functions in gene transcription and DNA repair. This protein stimulates ERCC3/XPB ATPase activity to trigger DNA opening during DNA repair, and is implicated in regulating cellular levels of TFIIH. Mutations in this gene result in trichothiodystrophy, complementation group A. Recombinant human GTF2H5 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography techniques.

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## Amino acid Sequence

<MGSSHHHHHH SSGLVPRGSH MGS>MVNVLKG VLI ECDPAMK QFLLYLDESN ALGKKFIIQD IDDTHTVFVIA  
ELVNVLQERV GELMDQNAFS LTQK

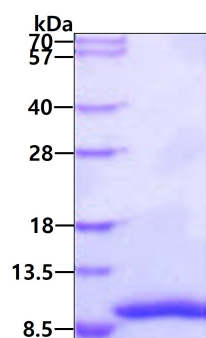
## General References

Giglia-Mari G., et al. (2004) Nat. Genet. 36:714-719

## DATA

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### SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.