

Recombinant human GTF2H5 protein

Catalog Number: ATGP2882

PRODUCT INFORMATION

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

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

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

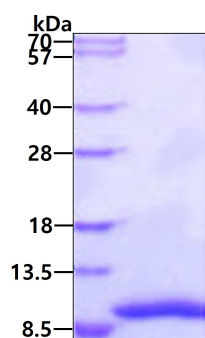
<MGSSHHHHHH SSGLVPRGSH MGS>MVNVLKG VLIECDPAMK QFLLYLDESN ALGKKFIIQD IDDTHVFVIA
ELVNVLQERV GELMDQNAFS LTQK

General References

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

DATA

SDS-PAGE



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