

Recombinant Human general transcription factor IIH, polypeptide 5, His-tagged

Cat. No. GTF2H5-659H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	GTF2H5, 1-71aa Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-71 a.a.
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.
Form	Liquid, In Phosphate buffered saline (pH7.4) containing 10% glycerol
Molecular Mass	10.4 kDa (94aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMVNVLKG VLIECDPAMK QFLLYLDESN ALGKKFIIQD IDDTHTVFVIA ELVNVLQERV GELMDQNAFS LTQK
Purity	>95 % by SDS - PAGE

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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	1.0 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	GTF2H5 general transcription factor IIH, polypeptide 5 [Homo sapiens (human)]
Official Symbol	GTF2H5
Synonyms	GTF2H5; TTD; TFB5; TTDA; TFIIH; TTD-A; TGF2H5; C6orf175; bA120J8.2; general transcription factor IIH, polypeptide 5; general transcription factor IIH subunit 5; TFB5 ortholog; TFIIH basal transcription factor complex TTDA subunit; TFIIH basal transcription factor complex TTD-A subunit
Gene ID	404672
mRNA Refseq	NM_207118
Protein Refseq	NP_997001
MIM	608780
UniProt ID	Q6ZYL4
Chromosome Location	6q25.3
Pathway	Basal transcription factors; Holo-TFIIH complex; Nucleotide excision repair