
Product Data Sheet

Product Name: GTF2H5 Human
 Cat. No.: GP23566
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	General transcription factor IIH subunit 5; bA120J8.2; C6orf175; TFB5; TFIIH; TGF2H5; TTD; TTD-A; TTDA; TFIIH basal transcription factor complex TTD-A subunit; TFB5 ortholog.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMVNVLKG VLIECDPAMK QFLLYLDESN ALGKKFIIQD IDDTHTVFVIAELVNVLQERV GELMDQNAFS LTQK.		
Formulation	GTF2H5 protein solution (1mg/ml) containing Phosphate buffered saline (pH7.4) and 10% glycerol.		

Introduction

General Transcription Factor IIH Polypeptide 5 (GTF2H5) is a subunit of transcription/repair factor TFIIH, which serves in gene transcription and DNA repair. GTF2H5 protein stimulates ERCC3/XPB ATPase activity which triggers DNA opening during DNA repair, and is involved in the regulation of cellular levels of TFIIH. GTF2H5 gene mutations result in trichothiodystrophy, complementation group A.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

GTF2H5 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 94 amino acids (1-71 a.a) and having a molecular mass of 10.4kDa. GTF2H5 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

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