

Product datasheet for TP301341

GTF2H1 (NM_005316) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human general transcription factor IIH, polypeptide 1, 62kDa (GTF2H1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201341 protein sequence Red =Cloning site Green =Tags(s)

MATSSEEVLLIVKKVRQKKQDGALYLMAERIAWAPEGKDRFTISHMYADIKCQKISPEGKAKIQLQLVLH
AGDTTNFHFSNESTAVKERDAVKDLLQQLLPKFKRKANKELEEKNRMLQEDPVLFLQLYKDLVVSQVISAE
EFWANRLNVNATDSSSTSNHKQDVGISAFLADVPRQTDGCNGLRYNLTSDIIESIFRTYPAVKMKYAEN
VPHNMTEKEFWTRFFQSHYFHRDRLNTGSKDLFAECAKIDEKGLKTMVSLGVKNPLLDLTALEDKPLDEG
YGISSVPSASNSKSIKENSNAAIKRFNHHSAMVLAAGLRKQEAQNEQTSEPSNMDGNSGDADCFQPAVK
RAKLQESIEYEDLGKNNSVKTIALNLKKSDDRYHGPPIQSLQYATSQDIINSFQSIQEMEAYTPKLTQ
VLSSAASSTITALSPGGALMQGGTQQAINQMVPNDIQSELKHLYVAVGELLRHFWSFCFPVNTPFLEEKV
VKMKSNERFQVTKLCPFQEKIRRQYLSTNLVSHIEEMLQTAYNKLHTWQSRRLMKKT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

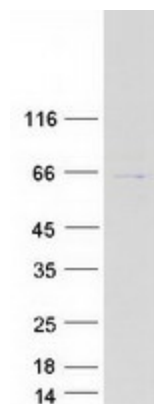
Tag:	C-Myc/DDK
Predicted MW:	61.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_005307
Locus ID:	2965
UniProt ID:	P32780 , A0A384MTQ8
RefSeq Size:	3308
Cytogenetics:	11p15.1
RefSeq ORF:	1644
Synonyms:	BTF2; P62; TFB1; TFIIH
Summary:	Component of the general transcription and DNA repair factor IIF (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. In NER, TFIIH acts by opening DNA around the lesion to allow the excision of the damaged oligonucleotide and its replacement by a new DNA fragment. In transcription, TFIIH has an essential role in transcription initiation. When the pre-initiation complex (PIC) has been established, TFIIH is required for promoter opening and promoter escape. Phosphorylation of the C-terminal tail (CTD) of the largest subunit of RNA polymerase II by the kinase module CAK controls the initiation of transcription.[UniProtKB/Swiss-Prot Function]
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Basal transcription factors, Nucleotide excision repair

Product images:



Coomassie blue staining of purified GTF2H1 protein (Cat# TP301341). The protein was produced from HEK293T cells transfected with GTF2H1 cDNA clone (Cat# [RC201341]) using MegaTran 2.0 (Cat# [TT210002]).