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Product datasheet for PH301341

GTF2H1 (NM_005316) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	GTF2H1 MS Standard C13 and N15-labeled recombinant protein (NP_005307)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC201341
Predicted MW:	62 kDa
Protein Sequence:	>RC201341 protein sequence Red=Cloning site Green=Tags(s) MATSSEEVLLIVKKVRQKKQDGALYLMAERIAWAPEGKDRFTISHMYADIKCQKISPEGKAKIQLQLVLH AGDTTNFHFSNESTAVKERDAVKDLLQQLLPKFKRKANKELEEKNRMLQEDPVLFQLYKDLVVSQVISAE EFWANRLNVNATDSSSTSNHKQDVGISAAFLADVRPQTDGCNGLRYNLTSDIIESIFRTYPAVKMKYAEN VPHNMTEKEFWTRFFQSHYFHRDRLNTGSKDLFAECAKIDEKGLKTMVSLGVKNPLLDLTALEDKPLDEG YGISSVPSASNSKSIKENSNAAIIKRFNHHSAMVLAAGLRKQEAQNEQTSEPSNMDGNSGDADCFQPAVK RAKLQESIEYEDLGKNNSVKTIALNLKKSDRYYHGPTPIQSLQYATSQDIINSFQSIRQEMEAYTPKLTQ VLSSSAASSTITALSPGGALMQGGTQQAINQMVPNDIQSELKHLYVAVGELLRHFWSCFPVNTPFLEEKV VKMKSNLERFQVTKLCPFQEKIRRQYLSTNLVSHIEEMLQTAYNKLHTWQSRRLMKKT TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_005307
RefSeq Size:	3308
RefSeq ORF:	1644

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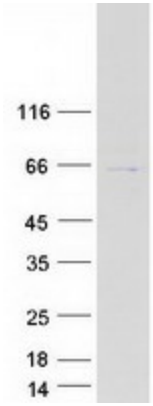
Synonyms:	BTF2; P62; TFB1; TFIIH
Locus ID:	2965
UniProt ID:	P32780, A0A384MTQ8
Cytogenetics:	11p15.1
Summary:	Component of the general transcription and DNA repair factor IIH (TFIIH) core complex, which is involved in general and transcription-coupled nucleotide excision repair (NER) of damaged DNA and, 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]).

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