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Product datasheet for TP508340

Gtf2h1 (NM_008186) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse general transcription factor II H, polypeptide 1 (Gtf2h1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR208340 representing NM_008186 Red=Cloning site Green=Tags(s) MAERIAWAPEGKDRFTISHMYADIKCQKISPEGKAKIQLQLVLHAGDTTNFHFSNESTAVKERDAVKDLL QQLLPKFKRKANKELEEKNRMLQEDPVLFQLYKDLVVSQVISAEEFWANRLNVNATDSSTSSHKQDVGIS AAFLADVRPQTDGCNGLRYNLTSDIIESIFRTYPAVKMKYAETVPHNMTEKEFWTRFFQSHYFHRDRLNT GSKDLFAECAKIDEKGLKTMVSLGVKNPMLDLTSLEDKPLDEGYGISSVPSTSNSKSIKENSNAAIIKRF NHHSAMVLAAGLRKQQAQNGQNGEPSSVDGNSGDTDCFQPAVKRAKLQESIEYEDLGNNNSVKTIALNLK KSDRYYHGPTPIQSLQYATSQDIINSFQSIRQEMEAYTPKLTQVLSSSAASSTITALSPGGALMQGGTQQ AVNQMVPNDIQSELKHLYVAVGELLRHFWSCFPVNTPFLEEKVVKMKSNLERFQVTKLCPFQEKIRRQYL STNLVSHIEEMLQTAYNKLHAWQSRRLMKKT SGPTRTRRLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-MYC/DDK
Predicted MW:	62.2 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
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 after receiving vials.
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_032212

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Locus ID:	14884
UniProt ID:	Q9DBA9, G3X8R4, Q7TPY0
RefSeq Size:	2749
Cytogenetics:	7 B3
RefSeq ORF:	1641
Synonyms:	62kDa; AW743425; AW822074; BTF2 p62; C77871; p62
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]