Datasheet for ABIN7544399

GTF2H1 Protein (AA 1-548) (His tag)

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Overview

Quantity:	1 mg
Target:	GTF2H1
Protein Characteristics:	AA 1-548
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This GTF2H1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat GTF2H1 Protein expressed in mammalien cells.
Sequence:	MATSSEEVLL IVKKVRQKKQ DGALYLMAER IAWAPEGKDR FTISHMYADI KCQKISPEGK AKIQLQLVLH AGDTTNFHFS NESTAVKERD AVKDLLQQLL PKFKRKANKE LEEKNRMLQE DPVLFQLYKD LVVSQVISAE EFWANRLNVN ATDSSSTSNH KQDVGISAAF LADVRPQTDG CNGLRYNLTS DIIESIFRTY PAVKMKYAEN VPHNMTEKEF WTRFFQSHYF HRDRLNTGSK DLFAECAKID EKGLKTMVSL GVKNPLLDLT ALEDKPLDEG YGISSVPSAS NSKSIKENSN AAIIKRFNHH SAMVLAAGLR KQEAQNEQTS EPSNMDGNSG DADCFQPAVK RAKLQESIEY EDLGKNNSVK TIALNLKKSD RYYHGPTPIQ SLQYATSQDI INSFQSIRQE MEAYTPKLTQ VLSSSAASST ITALSPGGAL MQGGTQQAIN QMVPNDIQSE LKHLYVAVGE LLRHFWSCFP VNTPFLEEKV VKMKSNLERF QVTKLCPFQE KIRRQYLSTN LVSHIEEMLQ TAYNKLHTWQ SRRLMKKT **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag**

Product Details

	necessary. In case you have a special request, please contact us.
Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien cells and purified in one-step affinity chromatography • The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins. • State-of-the-art algorithm used for plasmid design (Gene synthesis). This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein. If you are not interested in a full length protein, please contact us for individual protein fragments. The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.
Purity:	> 90 % as determined by Bis-Tris Page, Western Blot
Grade:	custom-made

Target Details

Target:	GTF2H1
Alternative Name:	GTF2H1 (GTF2H1 Products)
Background:	General transcription factor IIH subunit 1 (Basic transcription factor 2 62 kDa subunit) (BTF2 p62) (General transcription factor IIH polypeptide 1) (TFIIH basal transcription factor complex p62 subunit),FUNCTION: 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. {ECO:0000269|PubMed:9852112}.
Molecular Weight:	62.0 kDa

Target Details

UniProt:	P32780
Pathways:	DNA Damage Repair

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months