GTF2F2 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	GTF2F2, Lysate
Full Product Name	Human GTF2F2 Protein Lysate
Product Gene Name	GTF2F2 lysate
Product Synonym Names	GTF2F2; BTF4; RAP30; TF2F2; TFIIF
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	30.5 kDa (269aa), confirmed by MALDI-TOF (Molecular weight on SDS-PAGE will appear higher)
OMIM	189969
3D Structure	ModBase 3D Structure for P13984
Related Product Information for GTF2F2 lysate	Human GTF2F2 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of GTF2F2 lysate vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for GTF2F2 purchase	MBS8412662 is a lysate targeting GTF2F2. Also known as Human GTF2F2 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GTF2F2. It may not necessarily be applicable to this product.

NCBI GI #	4758488
NCBI GeneID	2963
NCBI Accession #	NP_004119
UniProt Primary Accession #	P13984
UniProt Secondary Accession #	Q5W0H3; A6NNS5
UniProt Related Accession #	P13984
GenBank Nucleotide #	NM_004128
NCBI Official Full Name	general transcription factor IIF subunit 2
NCBI Official Synonym Full Names	general transcription factor IIF subunit 2
NCBI Official Symbol	GTF2F2
NCBI Official Synonym Symbols	BTF4; RAP30; TF2F2; TFIIF
UniProt Protein Name	General transcription factor IIF subunit 2

UniProt Synonym Protein Names	ATP-dependent helicase GTF2F2; General transcription factor IIF 30 kDa subunit; Transcription initiation factor IIF subunit beta; TFIIF-beta; Transcription initiation factor RAP30
Protein Family	General transcription factor
UniProt Gene Name	GTF2F2
UniProt Synonym Gene Names	RAP30; TFIIF-beta
UniProt Entry Name	T2FB_HUMAN
NCBI Protein Information	general transcription factor IIF subunit 2
UniProt Comments for GTF2F2	GTF2F2: TFIIF is a general transcription initiation factor that binds to RNA polymerase II and helps to recruit it to the initiation complex in collaboration with TFIIB. It promotes transcription elongation. This subunit shows ATP-dependent DNA- helicase activity. Belongs to the TFIIF beta subunit family. Protein type: Transcription initiation complex; Nuclear receptor co-regulator; EC 3.6.4.12; Helicase Chromosomal Location of Human Ortholog: 13q14 Cellular Component: nucleoplasm; microtubule cytoskeleton; transcription factor TFIIF complex; nucleus Molecular Function: protein binding; DNA binding; ATP-dependent helicase activity; ATP binding Biological Process: nuclear mRNA splicing, via spliceosome; transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter; mRNA capping; regulation of transcription, DNA-dependent; viral reproduction; positive regulation of viral transcription; RNA splicing; RNA elongation from RNA polymerase II promoter; gene expression
Research Articles on GTF2F2	**1.** Data show that TFIIF has an important role in stabilizing TFIIB within the PIC and after transcription initiates.
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