GTF2H4 Blocking Peptide

PRODUCT OVERVIEW

Product Name	GTF2H4, Blocking Peptide
Full Product Name	GTF2H4 Peptide
Product Gene Name	GTF2H4 blocking peptide
Product Synonym Gene Name	TFIIH; TFB2
Form/Format	Lyophilized powder
Preparation and Storage	Add 100ul of sterile PBS. Final peptide concentration is 1 mg/ml in PBS. For longer periods of storage, store at -20 degree C. Avoid repeat freeze-thaw cycles.
Antibody/Peptide Pairs	GTF2H4 peptide (MBS3226070) is used for blocking the activity of GTF2H4 antibody (MBS3201041)
Molecular Weight	52kDa
OMIM	601760
Product Categories/Family for GTF2H4 blocking peptide	Peptide
Applications Tested/Suitable for GTF2H4 blocking peptide	Western Blot (WB)
Related Product Information for GTF2H4 blocking peptide	This is a synthetic peptide designed for use in combination with anti-GTF2H4 antibody made Target Description: GTF2H4 belongs to the TFB2 family. It is a component of the core-TFIIH basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II.
Other Notes	Small volumes of GTF2H4 blocking peptide 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 GTF2H4 purchase	MBS3226070 is a blocking peptide targeting GTF2H4. Also known as GTF2H4 Peptide.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for GTF2H4. It may not necessarily be applicable to this product.

NCBI GI #	4504201
NCBI GeneID	2968
NCBI Accession #	NP_001508
UniProt Primary Accession #	Q92759
UniProt Related Accession #	Q92759
GenBank Nucleotide #	NM_001517
NCBI Official Full Name	general transcription factor IIH subunit 4
NCBI Official Synonym Full Names	general transcription factor IIH subunit 4
NCBI Official Symbol	GTF2H4

NCBI Official Synonym Symbols	P52; TFB2; TFIIH
UniProt Protein Name	General transcription factor IIH subunit 4
UniProt Synonym Protein Names	Basic transcription factor 2 52 kDa subunit; BTF2 p52; General transcription factor IIH polypeptide 4; TFIIH basal transcription factor complex p52 subunit
Protein Family	General transcription factor
UniProt Gene Name	GTF2H4
UniProt Synonym Gene Names	BTF2 p52
UniProt Entry Name	TF2H4_HUMAN
NCBI Protein Information	general transcription factor IIH subunit 4
UniProt Comments for GTF2H4	GTF2H4: Component of the core-TFIIH basal transcription factor involved in nucleotide excision repair (NER) of DNA and, when complexed to CAK, in RNA transcription by RNA polymerase II. Belongs to the TFB2 family. Protein type: DNA repair, damage; Transcription factor Chromosomal Location of Human Ortholog: 6p21.3 Cellular Component: nucleoplasm; holo TFIIH complex Molecular Function: RNA polymerase subunit kinase activity; ATP-dependent DNA helicase activity; DNA-dependent ATPase activity; protein binding; transcription factor activity; protein kinase activity Biological Process: transcription from RNA polymerase II promoter; transcription initiation from RNA polymerase II promoter; viral reproduction; positive regulation of viral transcription; transcription from RNA polymerase I promoter; RNA elongation from RNA polymerase I promoter; termination of RNA polymerase I transcription; DNA repair; protein amino acid phosphorylation; regulation of gene expression, epigenetic; DNA duplex unwinding; mRNA capping; regulation of transcription, DNA-dependent; nucleotide-excision repair; negative regulation of gene expression, epigenetic; transcription-coupled nucleotide-excision repair; RNA elongation from RNA polymerase II promoter; nucleotide-excision repair, DNA damage removal; gene expression; transcription initiation from RNA polymerase I promoter
Research Articles on GTF2H4	**1.** functional genetic variants of GTF2H4 confer susceptibility to lung cancer.
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