TFDP1 Blocking Peptide (N-Term) Blocking Peptide

PRODUCT OVERVIEW

Product Name	TFDP1, Blocking Peptide
Full Product Name	TFDP1 Blocking Peptide (N-Term)
Product Gene Name	TFDP1 blocking peptide
Product Synonym Gene Name	DP1
Product Synonym Names	Transcription factor Dp-1; DRTF1-polypeptide 1; DRTF1; E2F dimerization partner 1; TFDP1; DP1
Form/Format	Synthetic peptide was lyophilized with 100% acetonitrile and is supplied as a powder. Reconstitute with 0.1 ml DI water for a final concentration of 1 mg/ml.
Specificity	The synthetic peptide sequence is selected from aa 103-114 of HUMAN TFDP1
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C.
Antibody/Peptide Pairs	TFDP1 peptide (MBS9230485) is used for blocking the activity of TFDP1 antibody (MBS9216900)
Molecular Weight	34,921 Da
OMIM	189902
Cellular Location	Nucleus.
Tissue Location	Highest levels in muscle. Also expressed in brain, placenta, liver and kidney. Lower levels in lung and pancreas. Not detected in heart
Related Product Information for TFDP1 blocking peptide	Can stimulate E2F-dependent transcription. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DP2/E2F complex functions in the control of cell-cycle progression from G1 to S phase. The E2F1/DP complex appears to mediate both cell proliferation and apoptosis.
Other Notes	Small volumes of TFDP1 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 TFDP1 purchase	MBS9230485 is a blocking peptide targeting TFDP1. Also known as TFDP1 Blocking Peptide (N-Term).

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFDP1. It may not necessarily be applicable to this product.

NCBI GI #	3122926
NCBI GeneID	7027
NCBI Accession #	Q14186.1
UniProt Primary Accession #	Q14186
UniProt Secondary Accession #	Q5JSB4; Q8IZL5; B4DLQ9
UniProt Related Accession #	Q14186
NCBI Official Full Name	Transcription factor Dp-1
NCBI Official Synonym Full Names	transcription factor Dp-1
NCBI Official Symbol	TFDP1

NCBI Official Synonym Symbols	DP1; DILC; Dp-1; DRTF1
UniProt Protein Name	Transcription factor Dp-1
UniProt Synonym Protein Names	DRTF1-polypeptide 1; DRTF1; E2F dimerization partner 1
Protein Family	Transcription factor
UniProt Gene Name	TFDP1
UniProt Synonym Gene Names	DP1; DRTF1
UniProt Entry Name	TFDP1_HUMAN
NCBI Protein Information	transcription factor Dp-1
NCBI Summary for TFDP1	This gene encodes a member of a family of transcription factors that heterodimerize with E2F proteins to enhance their DNA-binding activity and promote transcription from E2F target genes. The encoded protein functions as part of this complex to control the transcriptional activity of numerous genes involved in cell cycle progression from G1 to S phase. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene are found on chromosomes 1, 15, and X.[provided by RefSeq, Jan 2009]
UniProt Comments for TFDP1	TFDP1: Can stimulate E2F-dependent transcription. Binds DNA cooperatively with E2F family members through the E2 recognition site, 5'-TTTC[CG]CGC-3', found in the promoter region of a number of genes whose products are involved in cell cycle regulation or in DNA replication. The DP2/E2F complex functions in the control of cell-cycle progression from G1 to S phase. The E2F1/DP complex appears to mediate both cell proliferation and apoptosis. Belongs to the E2F/DP family. Protein type: Transcription, coactivator/corepressor; DNA-binding Chromosomal Location of Human Ortholog: 13q34 Cellular Component: nucleoplasm; nucleus Molecular Function: protein binding; protein domain specific binding; transcription factor activity; transcription factor binding Biological Process: cell proliferation; DNA damage response, signal transduction by p53 class mediator resulting in cell cycle arrest; positive regulation of transcription from RNA polymerase II promoter; regulation of transcription from RNA polymerase II promoter
Research Articles on TFDP1	**1.** Amplification of CUL4A, IRS2, and TFDP1 genes showed a significant difference in disease-free survival by both univariate and multivariate survival analyses in intrahepatic cholangiocarcinoma.
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