Transcription Initiation Factor TFIID Subunit 9 (TAF9) Bovine Recombinant Protein

PRODUCT OVERVIEW

Product Name	Transcription initiation factor TFIID subunit 9 (TAF9), Recombinant Protein
Full Product Name	Recombinant Bovine Transcription initiation factor TFIID subunit 9 (TAF9)
Product Gene Name	TAF9 recombinant protein
Product Synonym Gene Name	TAF9
Sequence	MESGKMASPK SMPKDAQMMA QILKDMGITE YEPRVINQML EFAFRYVTTI LDDAKIYSSH AKKATVDADD VRLAIQCRAD QSFTSPPPRD FLLDIARQRN QTPLPLIKPY SGPRLPPDRY CLTAPNYRLK SLQKKASASA GRITVPRLSV GSVTSRPSTP TLGTPTPPAM SVSTKVGTPV SLTGQRFTVQ MPTSQSPAVK ASIPATSAVQ NVLINPSLIG SKNILITTNM VSSQNTANEA SNALKRKHDD DDDDDDDDDD YDNL
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	28,800 Da
Sequence Positions	1-264, full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q17QQ4
Species	Bovine
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TAF9 recombinant protein	Initiation of transcription by RNA polymerase II requires the activities of more than 70 polypeptides. The protein that coordinates these activities is transcription factor IID (TFIID), which binds to the core promoter to position the polymerase properly, serves as the scaffold for assembly of the remainder of the transcription complex, and acts as a channel for regulatory signals. TFIID is composed of the TATA-binding protein (TBP) and a group of evolutionarily conserved proteins known as TBP-associated factors or TAFs. TAFs may participate in basal transcription, serve as coactivators, function in promoter recognition or modify general transcription factors (GTFs) to facilitate complex assembly and transcription initiation. This gene encodes one of the smaller subunits of TFIID that binds to the basal transcription factor GTF2B as well as to several transcriptional activators such as p53 and VP16. A similar but distinct gene (TAF9L) has been found on the X chromosome and a pseudogene has been identified on chromosome 19. Alternative splicing results in multiple transcript variants encoding different isoforms.
Other Notes	Small volumes of TAF9 recombinant protein 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 TAF9 purchase	MBS1438557 is a recombinant protein targeting TAF9. Also known as Recombinant Bovine Transcription initiation factor TFIID subunit 9 (TAF9). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TAF9. It may not necessarily be applicable to this product.

NCBI GI #	115495159
NCBI GeneID	532936
NCBI Accession #	NP_001069443.1
UniProt Primary Accession #	Q17QQ4
UniProt Related Accession #	Q17QQ4
GenBank Nucleotide #	NM_001075975.1
NCBI Official Full Name	transcription initiation factor TFIID subunit 9
NCBI Official Synonym Full Names	TATA-box binding protein associated factor 9
NCBI Official Symbol	TAF9
UniProt Protein Name	Transcription initiation factor TFIID subunit 9
Protein Family	Transcription initiation factor
UniProt Gene Name	TAF9
NCBI Protein Information	transcription initiation factor TFIID subunit 9
UniProt Comments for TAF9	Essential for cell viability. TAF9 and TAF9B are involved in transcriptional activation as well as repression of distinct but overlapping sets of genes. May have a role in gene regulation associated with apoptosis. TAFs are components of the transcription factor IID (TFIID) complex, the TBP-free TAFII complex (TFTC), the PCAF histone acetylase complex and the STAGA transcription coactivator-HAT complex. TFIID or TFTC are essential for the regulation of RNA polymerase II-mediated transcription ().
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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