TATA Box-Binding Protein-Associated Factor, RNA Polymerase I, Subunit C (TAF1C) Rat Recombinant Protein

PRODUCT OVERVIEW

Product Name	TATA box-binding protein-associated factor, RNA polymerase I, subunit C (Taf1c), Recombinant Protein
Full Product Name	Recombinant Rat TATA box-binding protein-associated factor, RNA polymerase I, subunit C (Taf1c) , partial
Product Gene Name	Taf1c recombinant protein
Product Synonym Gene Name	Taf1c
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	92,371 Da
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 Q6P773
Species	Rat
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for Taf1c recombinant protein	Initiation of transcription by RNA polymerase I requires the formation of a complex composed of the TATA-binding protein (TBP) and three TBP-associated factors (TAFs) specific for RNA polymerase I. This complex, known as SL1, binds to the core promoter of ribosomal RNA genes to position the polymerase properly and acts as a channel for regulatory signals. This gene encodes the largest SL1-specific TAF. Two transcripts encoding different isoforms have been identified.
Other Notes	Small volumes of Taf1c 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 Taf1c purchase	MBS1347440 is a recombinant protein targeting Taf1c. Also known as Recombinant Rat TATA box-binding protein-associated factor, RNA polymerase I, subunit C (Taf1c) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for Taf1c. It may not necessarily be applicable to this product.

NCBI GI #	62079037
NCBI GeneID	361420
NCBI Accession #	NP_001014177.1
UniProt Primary Accession #	Q6P773

UniProt Related Accession #	Q6P773
GenBank Nucleotide #	NM_001014155.1
NCBI Official Full Name	TATA box-binding protein-associated factor, RNA polymerase I, subunit C
NCBI Official Synonym Full Names	TATA-box binding protein associated factor, RNA polymerase 1 subunit C
NCBI Official Symbol	Taf1c
UniProt Protein Name	TATA box-binding protein-associated factor, RNA polymerase I, subunit C
UniProt Synonym Protein Names	TATA box-binding protein-associated factor 1C; TBP-associated factor 1C; Transcription initiation factor SL1/TIF-IB subunit C
Protein Family	TATA box-binding protein-associated factor
UniProt Gene Name	Taf1c
UniProt Synonym Gene Names	TBP-associated factor 1C
NCBI Protein Information	TATA box-binding protein-associated factor, RNA polymerase I, subunit C
UniProt Comments for Taf1c	Component of the transcription factor SL1/TIF-IB complex, which is involved in the assembly of the PIC (preinitiation complex) during RNA polymerase I-dependent transcription. The rate of PIC formation probably is primarily dependent on the rate of association of SL1/TIF-IB with the rDNA promoter. SL1/TIF-IB is involved in stabilization of nucleolar transcription factor 1/UBTF on rDNA. Formation of SL1/TIF-IB excludes the association of TBP with TFIID subunits. Recruits RNA polymerase I to the rRNA gene promoter via interaction with RRN3 ().
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