Tuftelin-Interacting Protein 11 (TFIP11) Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	Tuftelin-interacting protein 11 (TFIP11), Recombinant Protein
Full Product Name	Recombinant Human Tuftelin-interacting protein 11 (TFIP11) , partial
Product Gene Name	TFIP11 recombinant protein
Product Synonym Gene Name	TFIP11
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	22,431 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.
OMIM	612747
3D Structure	ModBase 3D Structure for Q9UBB9
Species	Human
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for TFIP11 recombinant protein	MBS1466931 is a recombinant protein targeting TFIP11. Also known as Recombinant Human Tuftelin-interacting protein 11 (TFIP11) , partial. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of TFIP11 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.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for TFIP11. It may not necessarily be applicable to this product.

NCBI GI #	56788356
NCBI GeneID	24144
NCBI Accession #	NP_001008697.1
UniProt Primary Accession #	Q9UBB9
UniProt Secondary Accession #	O95908; Q20WL0; Q5H8V8; Q9UGV7; Q9Y2Q8
UniProt Related Accession #	Q9UBB9
GenBank Nucleotide #	NM_001008697.2
NCBI Official Full Name	tuftelin-interacting protein 11 isoform 1

NCBI Official Synonym Full Names	tuftelin interacting protein 11
NCBI Official Symbol	TFIP11
NCBI Official Synonym Symbols	NTR1; STIP; TIP39; STIP-1; Spp382; bK445C9.6
UniProt Protein Name	Tuftelin-interacting protein 11
UniProt Synonym Protein Names	Septin and tuftelin-interacting protein 1; STIP-1
Protein Family	Tuftelin-interacting protein
UniProt Gene Name	TFIP11
UniProt Synonym Gene Names	STIP; STIP-1
NCBI Protein Information	tuftelin-interacting protein 11
NCBI Summary for TFIP11	This gene encodes a protein component of the spliceosome that promotes the release of the lariat-intron during late-stage splicing through the recruitment of a pre-mRNA splicing factor called DEAH-box helicase 15. The encoded protein contains a G-patch domain, a hallmark of RNA-processing proteins, that binds DEAH-box helicase 15. This protein contains an atypical nuclear localization sequence as well as a nuclear speckle-targeting sequence, enabling it to localize to distinct speckled regions within the cell nucleus. Polymorphisms in this gene are associated with dental caries suggesting a role in amelogenesis. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Nov 2016]
UniProt Comments for TFIP11	Involved in pre-mRNA splicing, specifically in spliceosome disassembly during late-stage splicing events. Intron turnover seems to proceed through reactions in two lariat-intron associated complexes termed Intron Large (IL) and Intron Small (IS). In cooperation with DHX15 seems to mediate the transition of the U2, U5 and U6 snRNP-containing IL complex to the snRNP-free IS complex leading to efficient debranching and turnover of excised introns. May play a role in the differentiation of ameloblasts and odontoblasts or in the forming of the enamel extracellular matrix.
Research Articles on TFIP11	**1.** the high expression and activation effect on the ERK1/2 signaling of STIP in lymphoblastic leukemia suggest that STIP would be a potential therapy target or diagnosis marker for leukemia.
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