

# Recombinant Human TFIP11 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TFIP11-3119H Lot. No. (See product label)

## SPECIFICATION

### Product Overview

TFIP11 MS Standard C13 and N15-labeled recombinant protein (NP\_001008697) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

### Species

Human

### Source

HEK293

### Description

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.

### Molecular Mass

96.8 kDa

### AA Sequence

MSLSHLYRDGEGRIDDDDDERENFEITDWDLQNEFNPNRQRHWQTKEEATYGVWA  
ERDSDDERPSFGGKRARDYSAPVNFISAGLKKGAAEEAELESDDEEKPVKQDDFP  
KDFGPRKLTGGNFKPSQKGFAGGTKSFMDFGSWERHTKGIGQKLLQKMGYVPG  
RGLGKNAQGIINPIEAKQRKGGKAVGAYGSERTTQSMQDFPVVDSEEEAEFEFQKE

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LSQWRKDPSPGSKKKPKYSYKTVEELKAKGRISKKLTAPQKELSQVKVIDMTGREQK  
 VYYSYSQISHKHNPDDGLPLQSQQLPQSGKEAKAPGFALPELEHNLQLLIDLTEQEI  
 IQNDRQLQYERDMVVNLFHELEKMTEVLDHEERVISNLSKVLEMVEECERRMQPDC  
 SNPLTLDECARIFETLQDKYEEYRMSDRVDLAVAIVYPLMKEYFKEDWPLKDCTYG  
 TEIISKWKSLENDQLLSHGGQDLSADAFHRLIWEVWMPFVRNIVTQWQPRNCDPM  
 VDFLDSWVHIIPVWILDNILDQLIFPKLQKEVENWNPLTDTVPIHSWIHPWLPLMQARL  
 EPLYSPIRSKLSSALQKWHPDSSAKLILQPWKDVFTPGSWEAFMVKNIVPKLGMCL  
 GELVINPHQQHMDAFYWVIDWEGMISVSSLVGLLEKHFFPKWLQVLCSSWLSNSPNY  
 EEITKWYLGWKSMSFSDQVLAHPSVKDKFNEALDIMNRAVSSNVGAYMQPGARENIA  
 YLTHTERRKDFQYEAMQERREAENMAQRGIGVAASSVPMNFKDIETKAEHNIVF  
 MPVIGKRHEGKQLYTFGRIVYIDRGVVVFVQGEKTWVPTSLQSLIDMAKTRTRPLEQK  
 LISEEDLAANDILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** TFIP11 tuftelin interacting protein 11 [ Homo sapiens (human) ]

**Official Symbol** TFIP11

**Synonyms** TFIP11; tuftelin interacting protein 11; tuftelin-interacting protein 11; DKFZP434B194;

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Spp382; TIP39; STIP-1; septin and tuftelin-interacting protein 1; NTR1; hNtr1;  
bK445C9.6; FLJ22086;

**Gene ID** 24144

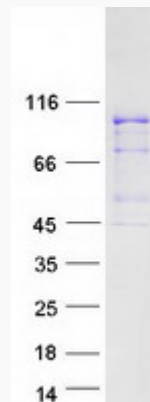
**mRNA Refseq** NM\_001008697

**Protein Refseq** NP\_001008697

**MIM** 612747

**UniProt ID** Q9UBB9

**SDS-PAGE**



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