

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

Cat. No. TFIP11-909H Lot. No. (See product label)

SPECIFICATION

Product Overview	TFIP11 MS Standard C13 and N15-labeled recombinant protein (NP_036275) 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	MSLSHLYRDGEGRIDDDDERENFEITDWDLQNEFNPNRQRHWQTKEEATYGVWA ERDSDDERPSFGGKRARDYSAPVNFISAGLKKGAAEEAESESDSDEEKPKVQDDFP KDFGPRKLTGGNFKPSQKGFAGGTKSFMDFGSWERHTKGIGQKLLQKMGYVPG RGLGKNAQGIINPIEAKQRKGGKAVGAYGSERTTQSMQDFPVVDSEEEAEFEFQKE

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LSQWRKDPSPGSKKKPKYSYKTVEELKAKGRISKKLTAPQKELSQVKVIDMTGREQK
 VYYSYSQISHKHNPDDGLPLQSQQLPQSGKEAKAPGFALPELEHNLQLLIDLTEQEI
 IQNDRQLQYERDMVVNLFHELEKMTEVLDHEERVISNLSKVLEMVEECERRMQPDC
 SNPLTLDECARIFETLQDKYEEYRMSDRVDLAVAIVYPLMKEYFKEDWPLKDCTYG
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 VDFLDSWVHIIPVWILDNILDQLIFPKLQKEVENWNPLTDTVPIHSWIHPWLPLMQARL
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 GELVINPHQQHMDAFYWVIDWEGMISVSSLVGLLEKHFFPKWLQVLCSSWLSNSPNY
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 MPVIGKRHEGKQLYTFGRIVYIDRGVVFVQGEKTWVPTSLQSLIDMAKTRTRPLEQK
 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](#)

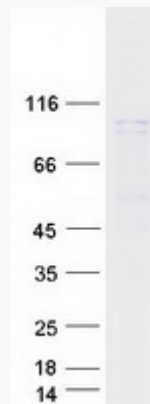
mRNA Refseq [NM_012143](#)

Protein Refseq [NP_036275](#)

MIM [612747](#)

UniProt ID [Q9UBB9](#)

SDS-PAGE



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