

## Product datasheet for PH300290

### TFIP11 (NM\_001008697) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	TFIP11 MS Standard C13 and N15-labeled recombinant protein (NP_001008697)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200290
Predicted MW:	96.8 kDa
Protein Sequence:	>RC200290 protein sequence Red=Cloning site Green=Tags(s)

MSLSHL YRDGEGRIDDDDERENFEITDWDLQNEFNPNRQRHWQTKEEATYGVVAERDSDDERPSFGGKR  
ARDYSAPVNFISAGLKKGAAEEAELEDSDEEKPVKQDDFPKDFGPRKLTGGNFKPSQKGFAGGTKSFM  
DFGWERHTKIGQKLLQKMGYVPRGLGKNAQGIINPIEAKQRKKGAVGAYGSERTTQSMQDFPVVDS  
EEEEEEEFQKELSQWRKDPGSKKKPKYSYKTVEELKAKGRISKKLTAQKELSQVKVIDMTGREQKVYY  
SYSQISHKHNVDPDGLPLQSQQLPQSGKEAKAPGFALPELEHNLQLLIDLTEQEI IQNDRQLQYERDMVV  
NLFHELEKMTVEVDHEERVISNL SKVLEMVEECERRMQPDCSNPLTLDECARIFETLQDKYEEYRMSDR  
VDLAVAIYVPLMKEYFKWDPLKDCTYGTETISKWKSLENDQLLSHGGQDLSADAFHRLIWEVWMPFVR  
NIVTQWQPRNCDPMVDFLDSWVHIIPVWILDNI LDQLIFPKLQKEVENWNPLTDTVPIHSWIHPWPLMQ  
ARLEPLYSPIRSKLSALQKWHPSDSSAKLILQPWKDVFTPGSWEAFMVKNIVPKLGMCLGELVINPHQQ  
HMDAFYVVIDWEGMISVSSLVGLLEKHFFPKWLQVLC SWLSNSPNYEEITKWYLGWKSMSFSDQVLAHPSV  
KDKFNEALDIMNRAVSSNVGAYMQPGARENIAYLTHERRKDFQYEAQERREAENMAQRGIGVAASSVP  
MNFKDLIETKAEHNIVFMPVIGKRHEGKQLYTFGRIVIIYIDRGVVVFVQGEKTWVPTSLQSLIDMAK

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001008697</a>

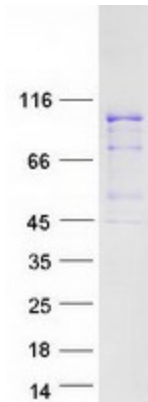


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RefSeq Size:	2941
RefSeq ORF:	2511
Synonyms:	bK445C9.6; NTR1; Spp382; STIP; STIP-1; TIP39
Locus ID:	24144
UniProt ID:	<a href="#">Q9UBB9</a> , <a href="#">A0A024R117</a>
Cytogenetics:	22q12.1

**Summary:** 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]

### Product images:



Coomassie blue staining of purified TFIP11 protein (Cat# [TP300290]). The protein was produced from HEK293T cells transfected with TFIP11 cDNA clone (Cat# [RC200290]) using MegaTran 2.0 (Cat# [TT210002]).