

## Product datasheet for **TP310021**

### TYW3 (NM\_138467) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human tRNA-yW synthesizing protein 3 homolog (S. cerevisiae) (TYW3), 20 µg

**Species:** Human

**Expression Host:** HEK293T

**Expression cDNA Clone or AA Sequence:** >RC210021 protein sequence  
**Red**=Cloning site **Green**=Tags(s)

MDRSAEFRKWKAAQCLSKADLSRKGSVDEDWVELVQFLNMRDQFFTTSSCAGRILLDRGINGFEVQKQNC  
CWLLVTHKLCVKDDVIVALKKANGDATLKFEPFVLHVQCRQLQDAQILHSMIDSGFRNSGITVQKRGKT  
MLVVRSTHGLEVPLSHKGLMVTEEYIDFLNANQKMEENKKRIERFYNCLQHALERETMTNLHPKIKE  
KNNSSYIHKKRNPEKTRAQCITKESDEELENDDDDDLGINVTIFPEDY

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 29.6 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

**Preparation:** Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

**Note:** For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.

**Storage:** Store at -80°C.

**Stability:** Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

**RefSeq:** [NP\\_612476](#)

**Locus ID:** 127253



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UniProt ID: [Q6IPR3](#)

RefSeq Size: 3448

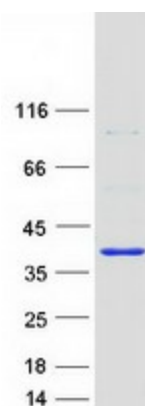
Cytogenetics: 1p31.1

RefSeq ORF: 777

Synonyms: C1orf171

**Summary:** Wybutosine (yW) is a hypermodified guanosine at the 3-prime position adjacent to the anticodon of phenylalanine tRNA that stabilizes codon-anticodon interactions during decoding on the ribosome. TYW3 is the human homolog of a yeast gene essential for yW synthesis (Noma and Suzuki, 2006).[supplied by OMIM, Mar 2008]

### Product images:



Coomassie blue staining of purified TYW3 protein (Cat# TP310021). The protein was produced from HEK293T cells transfected with TYW3 cDNA clone (Cat# [RC210021]) using MegaTran 2.0 (Cat# [TT210002]).