

## Product datasheet for TP310021M

### 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), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210021 protein sequence Red=Cloning site Green=Tags(s)
	<p>MDRSAEFRKWKAAQCLSKADLSRKGSVDEDWELVQFLNMRDQFFTTSSCAGRILLDRGINGFEVQKQNC CWLLVTHKLCVKDDVIVALKKANGDATLKFEPFVLHVQCRQLQDAQILHSMIDSGFRNSGITVQKRGKT MLVVRSTHGLEVPLSHKGKLMVTEEYIDFLLNVANQKMEENKKRIERFYNCLQHALERETMTNLHPKIKE KNNSSYIHKKRNPEKTRAQCITKESDEELENDDDDDDLGINVTIFPEDY</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
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:	<u><a href="#">NP_612476</a></u>
Locus ID:	127253



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UniProt ID: [Q6IPR3](#)

RefSeq Size: 3448

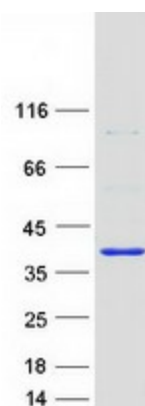
Cytogenetics: 1p31.1

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]).