

Product datasheet for PH310021

TYW3 (NM_138467) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	TYW3 MS Standard C13 and N15-labeled recombinant protein (NP_612476)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210021
Predicted MW:	29.8 kDa
Protein Sequence:	>RC210021 protein sequence Red=Cloning site Green=Tags(s) MDRSAEFRKWKQAQCLSKADLSRKGSDVDELVQFLNMRDQFFTTSSCAGRILLDRGINGFEVQKQNC CWLLVTHKLCVKDDVIVALKKANGDATLKFEPVFLHVQCRQLQDAQILHSMIDSGFRNSGITVVKRGKT MLVVRSTHGLEVPLSHKGLMVTEEYIDFLLNVANQKMEENKKRIERFYNCLQHALERETMTNLHPKIKE KNNSSYIHKKKRNPEKTRAQCITKESDEELENDDDDLGINVTIFPEDY 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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:	NP_612476
RefSeq Size:	3448
RefSeq ORF:	777
Synonyms:	C1orf171
Locus ID:	127253
UniProt ID:	Q6IPR3

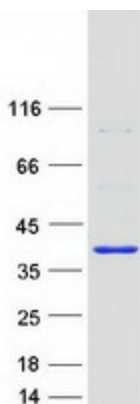


[View online »](#)

Cytogenetics: 1p31.1

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]).