

Recombinant Human TYW3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. TYW3-1881H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	TYW3 MS Standard C13 and N15-labeled recombinant protein (NP_612476) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	29.8 kDa
AA Sequence	MDRSAEFRKWKAQCLSKADLSRKGSVDEDVVELVQFLNMRDQFFTTSSCAGRILL DRGINGFEVQKQNCWLLVTHKLCVKDDVIVALKKANGDATLKFEFPVLHVQCRQL QDAQILHSMAGSGFRNSGITVGKRGKTMVVVRSTHGLEVPLSHKGKLMVTEEYIDF LLNVANQKMEENKKRIERFYNCLQHALERETMTNLHPKIKEKNNSSYIHKKKRNP TRAQCITKESDEELENDDDDDLGINVTIFPEDYTRTRPLEQKLISEEDLAANDILDYKD DDDKV
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

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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 TYW3 tRNA-yW synthesizing protein 3 homolog [Homo sapiens (human)]

Official Symbol TYW3

Synonyms TYW3; tRNA-yW synthesizing protein 3 homolog (S. cerevisiae); C1orf171, chromosome 1 open reading frame 171; tRNA wybutosine-synthesizing protein 3 homolog; FLJ40918; tRNA-yW-synthesizing protein 3; C1orf171;

Gene ID 127253

mRNA Refseq NM_138467

Protein Refseq NP_612476

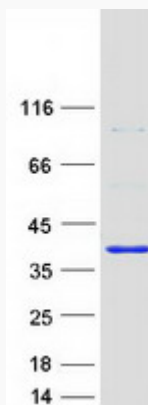
MIM 611245

UniProt ID Q6IPR3

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SDS-PAGE

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