



# Recombinant Human tRNA wybutosine-synthesizing protein 1 homolog B (TYW1B)

<b>Product Code</b>	CSB-MP750749HU
<b>Abbreviation</b>	TYW1B
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q6NUM6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MDPSADTWDL SSPLISLWIN RFYIYLGFAV SISLWICVQI VIEMQGFATV LAEAVTSLDL PVAIINLKEY DPDDHLIEEV TSKNVCVFLV ATYTDGLPTE SAEWFCKWLE EASIDFRFGK TYLKGMRDAV FGLGNSAYAS HFNKVGKNVD KWLWMLGVHR VMSRGECD VVSKKHGSIE ANFRAWKTKF ISQLQALQKG ERKKSCEGHC KKGKCESHQH GSEEREESQ EQDELHHRDT KEEEPFESSS EEEFGGEDHQ SLNSIVDVED LGKIMDHVKK EKREKEQQEE KSGLFRNMGR NEDGERRAMI TPALREALTK QVDAPRERSL LQTHILWNES HRCMETTPSL ACANKCVFCW WHHNNPVGTE WLWKMDQPEM ILKEAIENHQ NMIKQFKGVP GVKAERFEEG MTVKHCALS VGEPIMYPEI NRFLKLLHQC KISSFLVTNA QFPAEIRNLE PVTQLYVSVD ASTKDSLKKI DRPLFKDFWQ QFLDSLKALA VKQQRVYRL MLVKAWNVD LQAYAQLVSL GNPDFIEVKG VTYCRESSAS SLTMAHVPWH EEEVQFVREL VDLIPEYEIA CEHEHSNCLL IAHRKFKIGG EWWTWDIDYNR FQELIQEYED SGGSKTFSK DYMARTPHWA LFGANERSFD PKDTRHQRKN KSKAISGC
<b>Source</b>	Mammalian cell
<b>Target Names</b>	TYW1B
<b>Protein Names</b>	Recommended name: tRNA wybutosine-synthesizing protein 1 homolog B Alternative name(s): Radical S-adenosyl methionine and flavodoxin domain-containing protein 2
<b>Expression Region</b>	1-668
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	full length protein
<b>Target Details</b>	Wybutosine (yW) is a hypermodified guanosine found in phenylalanine tRNA adjacent to the anticodon that stabilizes codon-anticodon interactions in the ribosome. In yeast, the homolog of this gene is essential for the synthesis of



wybutosine (yW). The human genome contains two closely related genes that putatively function in wybutosine synthesis. The open reading frame of this locus is disrupted in some individuals. Thus, this locus appears to be an evolving pseudogene, but may still be functional in some members of the population. Multiple transcript variants encoding different isoforms have been found for this gene.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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