

Product datasheet for TP516329

Tyw5 (NM_001037742) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse tRNA-yW synthesizing protein 5 (Tyw5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR216329 protein sequence Red =Cloning site Green =Tags(s)

MAEQHLPVPRLRGVSREQFMEHLYPQRKPLVLEGLDLGSCSTKWTVDYLSQVGGTKEVKIHVAAVPQMDF
ISKNFVYRTLFPNKLQRAAEETHKEFFISEDEKYYLRSLGEDPRKDVADIRQQFPSLGGDITFPMFFRE
EQFSSVFRISSPGLQLWTHYDVMDFNLIQVTGKKRITLNFPRDAQYLYLSGSKSEVLNIDSPDLDKYPL
FPKARRYECSLEAGDVLFI PALWFHNVVSEEFVGVNIFWKHLPSECYDTTDTYGNKDPVAASRAVQILD
RALKTLAELPEEYRDFYARQMVLRIQDKAYSKNFE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	36.6 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
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 after receiving vials.
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_001032831
Locus ID:	68736
UniProt ID:	A2RSX7



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RefSeq Size: 1448

Cytogenetics: 1 C1.3

RefSeq ORF: 948

Synonyms: 1110034B05Rik

Summary: tRNA hydroxylase that acts as a component of the wybutosine biosynthesis pathway. Wybutosine is a hyper modified guanosine with a tricyclic base found at the 3'-position adjacent to the anticodon of eukaryotic phenylalanine tRNA. Catalyzes the hydroxylation of 7-(a-amino-a-carboxypropyl)wyosine (yW-72) into undermodified hydroxywybutosine (OHyW*). OHyW* being further transformed into hydroxywybutosine (OHyW) by LCMT2/TYW4. OHyW is a derivative of wybutosine found in higher eukaryotes (By similarity).[UniProtKB/Swiss-Prot Function]