

Product datasheet for TP312399M

C2orf60 (TYW5) (NM_001039693) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human chromosome 2 open reading frame 60 (C2orf60), transcript variant 1, 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC212399 protein sequence Red=Cloning site Green=Tags(s)

MAGQHLPVPRLEGVSREQFMQHLYPQRKPLVLEGIDLGPCSTKWTVDYLSQVGGKKEVKIHVAAVAQMDF
ISKNFVYRTLFPDQLVQRAAEEKHKEFFVSEDEKYYLRSLGEDPRKDVADIRKQFLLKGDIKFPEFFKE
EQFFSSVFRISSPGLQLWTHYDVMNLLIQVTGKKRVVLFSPRDAQYLYLKGTKSEVLNIDNPD LAKYPL
FSKARRYECSLEAGDVLFI PALWFHNVISEEFGVGVNIFWKHLPSECYDKTDTYGNKDPTAASRAAQILD
RALKTLAELPEEYRDFYARRMVLHIQDKAYSKNSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	36.4 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:	NP_001034782
Locus ID:	129450



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UniProt ID: [A2RUC4](#)

RefSeq Size: 5384

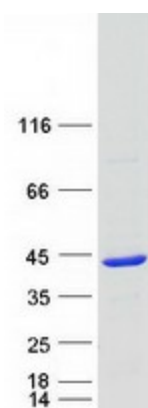
Cytogenetics: 2q33.1

RefSeq ORF: 945

Synonyms: C2orf60; hTYW5

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-(α -amino- α -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.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified TYW5 protein (Cat# [TP312399]). The protein was produced from HEK293T cells transfected with TYW5 cDNA clone (Cat# [RC212399]) using MegaTran 2.0 (Cat# [TT210002]).