

Product datasheet for PH312399

C2orf60 (TYW5) (NM_001039693) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	C2orf60 MS Standard C13 and N15-labeled recombinant protein (NP_001034782)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212399
Predicted MW:	36.5 kDa
Protein Sequence:	>RC212399 protein sequence Red =Cloning site Green =Tags(s)

MAGQHLPVPRLEGVSREQFMQHLYPQRKPLVLEGIDLGPKTSKWTVDYLSQVGGKKEVKIHVAAVAQMDF
 ISKNFVYRTL PFDQLVQRAAEKHKKEFFVSEDEKYLRSLGEDPRKDVADIRKQFPLLKGDIKFPEFFKE
 EQFFSSVFRISSPGLQLWTHYDVMNLLIQVTGKKRVVLFSPRDAQYLYLKGTKSEVLNIDNPD LAKYPL
 FSKARRYECSLEAGDVLFI PALWFHNVI SEEFVG VNI FWKHLPSECYDKTDTYGNKDPTAASRAAQILD
 RALKTLAELPEEYRDFYARRMVLHIQDKAYSKNSE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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:	<u>NP_001034782</u>
RefSeq Size:	5384
RefSeq ORF:	945
Synonyms:	C2orf60; hTYW5
Locus ID:	129450

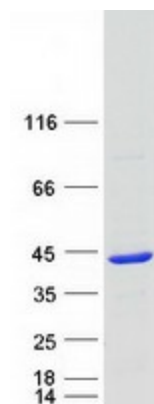

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UniProt ID: A2RUC4

Cytogenetics: 2q33.1

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]).