

## **Product datasheet for TP300879M**

## OriGene Technologies, Inc.

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## **PUS1 (NM 025215) Human Recombinant Protein**

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human pseudouridylate synthase 1 (PUS1), transcript variant 1, 100 μg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC200879 protein sequence Red=Cloning site Green=Tags(s)

MGLQLRALLGAFGRWTLRLGPRPSCSPRMAGNAEPPPAGAACPQDRRSCSGRAGGDRVWEDGEHPAKKLK SGGDEERREKPPKRKIVLLMAYSGKGYHGMQRNVGSSQFKTIEDDLVSALVRSGCIPENHGEDMRKMSFQ RCARTDKGVSAAGQVVSLKVWLIDDILEKINSHLPSHIRILGLKRVTGGFNSKNRCDARTYCYLLPTFAF AHKDRDVQDETYRLSAETLQQVNRLLACYKGTHNFHNFTSQKGPQDPSACRYILEMYCEEPFVREGLEFA VIRVKGQSFMMHQIRKMVGLVVAIVKGYAPESVLERSWGTEKVDVPKAPGLGLVLERVHFEKYNQRFGND GLHEPLDWAQEEGKVAAFKEEHIYPTIIGTERDERSMAQWLSTLPIHNFSATALTAGGTGAKVPSPLEGS

**EGDGDTD** 

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV** 

Tag: C-Myc/DDK
Predicted MW: 47.3 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 079491





**Locus ID:** 80324

**UniProt ID:** <u>Q9Y606</u>, <u>E5KMT5</u>

RefSeq Size: 2014

Cytogenetics: 12q24.33

RefSeq ORF: 1281

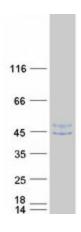
**Synonyms:** MLASA1

Summary: This gene encodes a pseudouridine synthase that converts uridine to pseudouridine once it has

been incorporated into an RNA molecule. The encoded enzyme may play an essential role in tRNA function and in stabilizing the secondary and tertiary structure of many RNAs. A mutation in this gene has been linked to mitochondrial myopathy and sideroblastic anemia. Alternate

splicing results in multiple transcript variants.[provided by RefSeq, Sep 2009]

## **Product images:**



Coomassie blue staining of purified PUS1 protein (Cat# [TP300879]). The protein was produced from HEK293T cells transfected with PUS1 cDNA clone (Cat# [RC200879]) using MegaTran 2.0 (Cat# [TT210002]).