

## Product datasheet for TP303458L

## OriGene Technologies, Inc.

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### PRMT5 (NM 006109) Human Recombinant Protein

**Product data:** 

**Product Type:** Recombinant Proteins

**Description:** Recombinant protein of human protein arginine methyltransferase 5 (PRMT5), transcript

variant 1, 1 mg

Species: Human Expression Host: HEK293T

**Expression cDNA Clone** >RC203458 protein sequence or AA Sequence: Red=Cloning site Green=Tags(s)

MAAMAVGGAGGSRVSSGRDLNCVPEIADTLGAVAKQGFDFLCMPVFHPRFKREFIQEPAKNRPGPQTRSD LLLSGRDWNTLIVGKLSPWIRPDSKVEKIRRNSEAAMLQELNFGAYLGLPAFLLPLNQEDNTNLARVLTN HIHTGHHSSMFWMRVPLVAPEDLRDDIIENAPTTHTEEYSGEEKTWMWWHNFRTLCDYSKRIAVALEIGA DLPSNHVIDRWLGEPIKAAILPTSIFLTNKKGFPVLSKMHQRLIFRLLKLEVQFIITGTNHHSEKEFCSY LQYLEYLSQNRPPPNAYELFAKGYEDYLQSPLQPLMDNLESQTYEVFEKDPIKYSQYQQAIYKCLLDRVP EEEKDTNVQVLMVLGAGRGPLVNASLRAAKQADRRIKLYAVEKNPNAVVTLENWQFEEWGSQVTVVSSDM REWVAPEKADIIVSELLGSFADNELSPECLDGAQHFLKDDGVSIPGEYTSFLAPISSSKLYNEVRACREK DRDPEAQFEMPYVVRLHNFHQLSAPQPCFTFSHPNRDPMIDNNRYCTLEFPVEVNTVLHGFAGYFETVLY QDITLSIRPETHSPGMFSWFPILFPIKQPITVREGQTICVRFWRCSNSKKVWYEWAVTAPVCSAIHNPTG RSYTIGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK
Predicted MW: 72.5 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.





RefSeq ORF:

#### PRMT5 (NM\_006109) Human Recombinant Protein - TP303458L

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 006100

 Locus ID:
 10419

 UniProt ID:
 014744

 RefSeq Size:
 2541

 Cytogenetics:
 14q11.2

Synonyms: HRMT1L5; HSL7; IBP72; JBP1; SKB1; SKB1Hs

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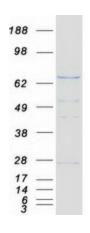
**Summary:** This gene encodes an enzyme that belongs to the methyltransferase family. The encoded

protein catalyzes the transfer of methyl groups to the amino acid arginine, in target proteins that include histones, transcriptional elongation factors and the tumor suppressor p53. This gene plays a role in several cellular processes, including transcriptional regulation, and the assembly of small nuclear ribonucleoproteins. A pseudogene of this gene has been defined on chromosome 4. Alternative splicing results in multiple transcript variants encoding different

isoforms. [provided by RefSeq, Sep 2015]

**Protein Families:** Stem cell - Pluripotency

# **Product images:**



Coomassie blue staining of purified PRMT5 protein (Cat# [TP303458]). The protein was produced from HEK293T cells transfected with PRMT5 cDNA clone (Cat# [RC203458]) using MegaTran 2.0 (Cat# [TT210002]).