

Product datasheet for **TP301672**

PRMT7 (NM_019023) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human protein arginine methyltransferase 7 (PRMT7), 20 µg

Species: Human

Expression Host: HEK293T

Expression cDNA >RC201672 protein sequence

Clone or AA **Red**=Cloning site **Green**=Tags(s)

Sequence:

MKIFCSRANPTTGSVEWLEEDHYDYHQEIARSSYADMLHDKDRNVKYYQGIRAAVSRVKDRGQKALVLD
IGTGTGLLSMMMAVTAGADFCYAIIEVFKPMADAANKIVEKNGFSDKIKVINKHSTEVTVGPEGDMPCRANI
LVTELFDTTELIGEGALPSYEHHRHLVEENCEAVPHRATVYAQLVESGRMWSWNKLFPIHVQTSLGEQVI
VPPVDVESCPCGAPSVCDIQLNQVSPADFTVLSVDLPMFSIDFSKQVSSSAACHSRFEPLTSGRAQVVL
WWDIEMDPEGKIKCTMAPFWAHSDEEMQWRDHWMQCVYFLPQEEPVVQGSALYLVAHHDDYCVWYSLQR
TSPEKNERNVRQMRPVCDQCQAHLLWNRPRFGEINDQDRTDRYVQALRTVLKPDVCLCVSDGSLLSVLAHH
LGVEQVFTVESSAASHKLLRKIFKANHLEDKINIEKRELLTNEQLQGRKVSLLGEPFFTTSLPWHN
LYFWYVRTAVDQHLGPGAMVMPQAASLHVVVEFRDLWRIRSPCGDCEGFDVHIMDDMIKRALDFRESRE
AEPHPLWEYPCRSLSPEWQILTFDFQQPVLQPLCAEGTVELRRPGQSHA AVLWMEYHLTPECTLSTGLL
EPADPEGGCCWNPHCKQAVYFFSPAPDPRALLGGPRTVSYAVEFHPDTGDIIMEFRHADTPD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 78.3 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.

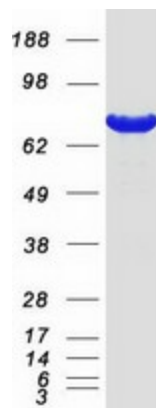
Storage: Store at -80°C.



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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:	<u>NP_061896</u>
Locus ID:	54496
UniProt ID:	<u>Q9NVM4</u>
RefSeq Size:	2478
Cytogenetics:	16q22.1
RefSeq ORF:	2076
Synonyms:	SBIDDS
Summary:	This gene encodes a member of the protein arginine N-methyltransferase family of proteins. The encoded enzyme transfers single methyl groups to arginine residues to generate monomethylarginines on histone proteins as well as other protein substrates. This enzyme plays a role in a wide range of biological processes, including neuronal differentiation, male germ line imprinting, small nuclear ribonucleoprotein biogenesis, and regulation of the Wnt signaling pathway. Mutations in this gene underlie multiple related syndromes in human patients characterized by intellectual disability, short stature and other features. The encoded protein may promote breast cancer cell invasion and metastasis in human patients. [provided by RefSeq, May 2017]
Protein Families:	Druggable Genome

Product images:



Coomassie blue staining of purified PRMT7 protein (Cat# TP301672). The protein was produced from HEK293T cells transfected with PRMT7 cDNA clone (Cat# [RC201672]) using MegaTran 2.0 (Cat# [TT210002]).