

## Product datasheet for TP300574

### KDM4A (NM\_014663) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human jumonji domain containing 2A (JMJD2A), 20 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC200574 protein sequence  
Red=Cloning site Green=Tags(s)

MASESETLNPSARIMTFYPTMEEFRNFSRYIAYIESQGAHRAGLAKVPPKEWKPRASYDDIDDLVIPAP  
 IQQLVTGQSGFLTQYNIQKKAMTVREFRKIANSDKYCTPRYSEFEELERKYWKNLTFNPPYIYADVNGTL  
 YEKHVDEWNIGRLRTILDLEKESGITIEGVNTPYLYFGMWKTSFAWHTEDMDLYSINYLFHFGPKSWYS  
 VPPEHGKRLERLAKGFFPGSAQSCEAFLRHKMTLISPLMLKKYGIPFDKVTQEAGEFMITFPYGYHAGFN  
 HGFNCAESTNFATRRWIEYGKQAVLCSCRKDMVKISMDVFRKFQPERYKLWKAGKDNVIDHTLPTPEA  
 AEFLKESELPFRAGNEEECPEDMEGVEDGEEDLKTSLAKHRIGTKRHRVCLEIPQEVSQSELPKEDL  
 SSEQYEMTECPAALAPVRPTHSSVRQVEDGLTFPDYSDSTEVKFEELKNVKLEEEDEEEQAAAALDLSV  
 NPASVGGRLVFGSGKKSSSLGSGSSRDISSDSETSEPLSCRAQGQTGVLTVHSAKGDGRVTVGEP  
 TRKKGSAARFSERELAEVADEYMFSLEENKSKGRRQPLSKLPRHHPLVLQECVSDDETSEQLTPEEEA  
 EETEAWAKPLSQLWQNRPPNFEEAEKFNEMTAQQAPHCAVCMIFQTYHQVEFGFNQNCGNASDLAPQKQ  
 RTKPLIPEMCFSTSTGCSTDINLSTPYLEEDGTSILVSCCKCSVRVHASCYGVPPAKASEDWMCSRCSANA  
 LEEDCCLCSLRGGALQRANDDRWVHVSCAVALERFVNIAERSPVDVSKIPLPRFKLKCIFCKKRRKRT  
 AGCCVQCSHGRCPTAFHVSCAQAAGVMMQPDDWPFVVFITCFRHKIPNLERAKGALQSITAGQKVISKHK  
 NGRFYQCEVRLTTTFYEVNFDDGFSFDNLYPEDIVSQDCLQFGPPAEGEVQVRWTDGQVYGAKFVAS  
 HPIQMYQVEFEDGSQLVVVRDDVYTLDEELPKRVKSRLSVASDMRFNEIFTEKEVKQEKRRQVRVINSRYR  
 EDYIEPALYRAIME

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

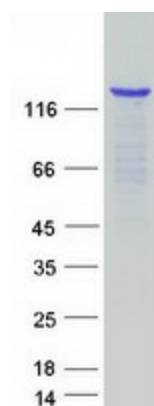
**Tag:** C-Myc/DDK  
**Predicted MW:** 120.5 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_055478</a>
<b>Locus ID:</b>	9682
<b>UniProt ID:</b>	<a href="#">O75164</a>
<b>RefSeq Size:</b>	4526
<b>Cytogenetics:</b>	1p34.2-p34.1
<b>RefSeq ORF:</b>	3192
<b>Synonyms:</b>	JHDM3A; JMJD2; JMJD2A; TDRD14A
<b>Summary:</b>	This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein containing a JmjN domain, a JmjC domain, a JD2H domain, two TUDOR domains, and two PHD-type zinc fingers. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form, and as a transcriptional repressor. [provided by RefSeq, Apr 2009]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors

### Product images:



Coomassie blue staining of purified KDM4A protein (Cat# TP300574). The protein was produced from HEK293T cells transfected with KDM4A cDNA clone (Cat# [RC200574]) using MegaTran 2.0 (Cat# [TT210002]).