

Product datasheet for TP300574L

KDM4A (NM_014663) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human jumonji domain containing 2A (JMJD2A), 1 mg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC200574 protein sequence
Red=Cloning site Green=Tags(s)

MASESETLNPSARIMTFYPTMEEFRNFSRYIAYIESQGAHRAGLAKVPPKEWKPRASYDDIDDLVIPAP
 IQQLVTGQSGFLTQYNIQKKAMTVREFRKIANSDKYCTPRYSEFEELERKYWKNLTFNPPYIYADVNGTL
 YEKHVDEWNIGRLRTILDLEKESGITIEGVNTPYLYFGMWKTSFAWHTEDMDLYSINYLFHFGPKSWYS
 VPPEHGKRLERLAKGFFPGSAQSCEAFLRHKMTLISPLMLKKYGIPFDKVTQEAGEFMITFPYGYHAGFN
 HGFNCAESTNFATRRWIEYKQAVLCSCRKDMVKISMDVFRKFQPERYKLWKAGKDNVIDHTLPTPEA
 AEFLKESELPFRAGNEEECPEDMEGVEDGEEDLKTSLAKHRIGTKRHRVCLEIPQEVSQSELPKEDL
 SSEQYEMTECPAALAPVRPTHSSVRQVEDGLTFPDYSDSTEVKFEELKNVKLEEEDEEEQAAAALDLSV
 NPASVGGRLVFSGSKKSSSLGSGSSRDSISSDSETSEPLSCRAQGQTGVLTVHSYAKGDGRVTVGEP
 TRKKGSAARFSERELAEVADEYMFSLEENKSKGRRQPLSKLPRHHPLVLQECVSDDETSEQLTPEEEA
 EETEAWAKPLSQLWQNRPPNFEEAEKFNEMTAQQAPHCAVCMIFQTYHQVEFGFNQCGNASDLAPQKQ
 RTKPLIPEMCFSTSTGCSTDINLSTPYLEEDGTSILVSCCKCSVRVHASCYGVPPAKASEDWMCSRCSANA
 LEEDCCLCSLRGGALQRANDDRWVHVSCAVALERFVNIAERSPVDVSKIPLPRFKLKCIFCKKRRKRT
 AGCCVQCSHGRCPTAFHVSCAQAAGVMMQPDDWPFVVFITCFRHKIPNLERAKGALQSITAGQKVISKHK
 NGRFYQCEVRLTTETFEVNFDDGFSFDNLYPEDIVSQDCLQFGPPAEGEVQVRWTDGQVYGAKFVAS
 HPIQMYQVEFEDGSQLVVVRDDVYTLDEELPKRVKSRLSVASDMRFNEIFTEKEVKQEKKRQVRVINSRYR
 EDYIEPALYRAIME

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

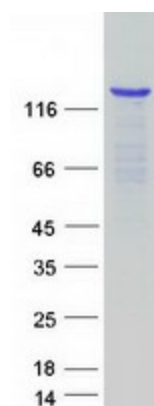
Tag: C-Myc/DDK
Predicted MW: 120.5 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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_055478
Locus ID:	9682
UniProt ID:	O75164
RefSeq Size:	4526
Cytogenetics:	1p34.2-p34.1
RefSeq ORF:	3192
Synonyms:	JHDM3A; JMJD2; JMJD2A; TDRD14A
Summary:	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]
Protein Families:	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]).