

Product datasheet for PH300574

KDM4A (NM_014663) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	KDM4A MS Standard C13 and N15-labeled recombinant protein (NP_055478)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200574
Predicted MW:	120.7 kDa
Protein Sequence:	>RC200574 protein sequence Red=Cloning site Green=Tags(s)

MASESETLNPSARIMTFYPTMEEFRNFSRYIAYIESQGAHRAGLAKVVPKPEWKPRASYDDIDDLVIPAP
IQQLVTGQSGLFTQYNIQKKAMTVREFRKIANSDKYCTPRYSEFEELERKYWKNLTFNPPIYGADVNGTL
YEKHDVEWNIQRLRTILDLEKESGITIEGVNTPYLYFGMWKTSFAWHTEDMDLYSINYLHFGPEKSWYS
VPPEHGKRLERLAKGFFPGSAQSCEAFLRHKMTLISPLMLKKYGIPFDKVTQEAGEFMITFPYGYHAGFN
HGFNCAESTNFATRRIEYKQAVLCSCKDMVKISMDVFRKQPERYKLVKAGKDNVIDHTLPTPEA
AEFLKESELPPRAGNEEECEEDMEGVDEGEGDLKTSLAKHRIGTKRHRVCLEIPQEVSQSELPFKEDL
SSEQYEMTECPAALAPVRPTHSSVRQVEDGLTFPDYSDSTEVKFEELKNVKLEEEDEEEEEEQAAAALDLSV
NPASVGGRLVFSGSKKSSSSLSGSSRDSISSDSESEPLSCRAQGQTGVLTVHSYAKGDGRVTGGEPC
TRKKGSAARFSERELAEVADEYMFSLKENKSKGRRQPLSKLPRHHPLVLQECVSDDETSQLTPEEEA
EETEAWAKPLSQLWQNRPPNFEAEKEFNETMAQQAPHCAVCMIFQTYHQVEFGGFNQCGNASDLAPQKQ
RTKPLIPEMCFSTGTCSTDINLSTPYLEEDGTSILVSCKKCSVRVHASCYGVPPAKASEDWMCSRCSANA
LEEDCCLCSLRGGALQRANDRWVHSCAIVALEARFVNI AERSPVDVSKIPLPRFKLKCIFCKKRRKRT
AGCCVQCSHGRCPTAFHVSCAQAAGVMMQPDWPFVVFITCFRHKIPNLERAKGALQSITAGQKVISKHK
NGRFYQCEVVRLTTETFEVNFDDGSFSDNLYPEDIVSQDCLQFGPPAEGEVVQVRWTDGQVYGAKFVAS
HPIQMYQVEFEDGSQLVVKRDDVYTLDEELPKRVKSRLSVASDMRFNEIFTEKEVKQEKRRQRVINSRYR
EDYIEPALYRAIME

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

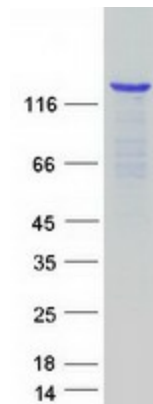
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3



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Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_055478
RefSeq Size:	4526
RefSeq ORF:	3192
Synonyms:	JHDM3A; JMJD2; JMJD2A; TDRD14A
Locus ID:	9682
UniProt ID:	O75164
Cytogenetics:	1p34.2-p34.1
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]).