



Human KDM4C peptide (DAG-P0722)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene is a member of the Jumonji domain 2 (JMJD2) family and encodes a protein with one JmjC domain, one JmjN domain, two PHD-type zinc fingers, and two Tudor domains. This nuclear protein functions as a trimethylation-specific demethylase, converting specific trimethylated histone residues to the dimethylated form. Chromosomal aberrations and increased transcriptional expression of this gene are associated with esophageal squamous cell carcinoma. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]
Specificity	Overexpressed in several esophageal squamous cell carcinomas (ESCs).
Conjugate	Unconjugated
Sequence Similarities	Belongs to the JHDM3 histone demethylase family. Contains 1 JmjC domain. Contains 1 JmjN domain. Contains 2 PHD-type zinc fingers. Contains 2 Tudor domains.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	KDM4C lysine (K)-specific demethylase 4C [Homo sapiens (human)]
Official Symbol	KDM4C
Synonyms	KDM4C; lysine (K)-specific demethylase 4C; GASC1; JHDM3C; JMJD2C; TDRD14C; bA146B14.1; lysine-specific demethylase 4C; GASC-1 protein; tudor domain containing 14C; jumonji domain containing 2C; jumonji domain-containing protein 2C; gene amplified in

squamous cell carcinoma 1 protein; JmJc domain-containing histone demethylation protein 3C;

Entrez Gene ID	23081
mRNA Refseq	NM_001146694.1
Protein Refseq	NP_001140166.1
UniProt ID	B4E239
Chromosome Location	9p24.1
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	androgen receptor binding; dioxygenase activity; enzyme binding; histone demethylase activity (H3-K9 specific); histone demethylase activity (H3-K9 specific); zinc ion binding;