



Human KDM5C peptide (DAG-P0591)

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 SMCY homolog family and encodes a protein with one ARID domain, one JmjC domain, one JmjN domain and two PHD-type zinc fingers. The DNA-binding motifs suggest this protein is involved in the regulation of transcription and chromatin remodeling. Mutations in this gene have been associated with X-linked mental retardation. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]
Specificity	Expressed in all tissues examined. Highest levels found in brain and skeletal muscle.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the JARID1 histone demethylase family. Contains 1 ARID domain. Contains 1 JmjC domain. Contains 1 JmjN domain. Contains 2 PHD-type zinc fingers.
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	KDM5C lysine (K)-specific demethylase 5C [Homo sapiens (human)]
Official Symbol	KDM5C
Synonyms	KDM5C; lysine (K)-specific demethylase 5C; MRXJ; SMCX; MRX13; MRXSJ; XE169; MRXSCJ; JARID1C; DXS1272E; lysine-specific demethylase 5C; protein SmcX; selected cDNA on X; Smcy homolog, X-linked; Smcx homolog, X chromosome; histone demethylase JARID1C; mental retardation, X-linked 13; JmjC domain-containing protein SMCX; Jumonji/ARID domain-containing protein 1C; Jumonji, AT rich interactive domain 1C (RBP2-

like);

Entrez Gene ID	8242
mRNA Refseq	NM_001146702.1
Protein Refseq	NP_001140174.1
UniProt ID	P41229
Chromosome Location	Xp11.22-p11.21
Function	DNA binding; histone demethylase activity (H3-K4 specific); oxidoreductase activity, acting on paired donors, with incorporation or reduction of molecular oxygen, 2-oxoglutarate as one donor, and incorporation of one atom each of oxygen into both donors;