Recombinant Human Lysine (K)-Specific Demethylase 5C, GST-tagged

Cat. No. KDM5C-1604H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human KDM5C (1-671) was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Sf9 Cells
ProteinLength	1-671 a.a.
Description	KDM5C or lysine (K)-specific demethylase 5C is a member of the SMCY homolog family that encodes a protein with one ARID domain, one JmjC domain, one JmjN domain and two PHD-type zinc fingers. KDM5C is mainly expressed in brain and skeletal muscle. KDM5C is involved in the regulation of transcription and chromatin remodelling that cause X-linked mental retardation. KDM5C is also essential for spermatogenesis and expression of male-specific minor histocompatibility antigens.
Applications	Western Blot
Molecular Weight	118 kDa
Expression System	Sf9 insect cells using baculovirus.
Form	Recombinant protein stored in 50 mM Tris-HCl, pH 7.5, 150 mM NaCl, 10 mM glutathione, 0.1 mM EDTA, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	> 80 %
Concentration	0.1 ug/ul
Sequences	1-671
Storage	Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

Gene Name	KDM5C lysine (K)-specific demethylase 5C [Homo sapiens]
Official Symbol	KDM5C
Synonyms	KDM5C; KAM5C; MRXJ; SMCX; MRXSJ; XE169; JARID1C; DXS1272E; lysine (K)-specific demethylase 5C; Jumonji, AT rich interactive domain 1C (RBP2-like); Histone demethylase JARID1C; Protein SmcX; Jumonji/ARID domain-containing protein 1C; jumonji, AT rich interactive domain 1C; Smcy homolog, X-linked (mouse); JmjC domain-containing protein SMCX; lysine-specific demethylase 5C; selected cDNA on X; Smcx homolog, X chromosome; Smcy homolog, X-linked; EC 1.14.11.; Protein Xe169
Gene ID	8242
mRNA Refseq	NM_004187
Protein Refseq	NP_004178
MIM	609132

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UniProt ID	P41229
Chromosome Location	Xp11.22-p11.21
Function	DNA binding; metal ion binding; molecular_function; oxidoreductase activity; 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; oxidoreductase activity, acting on single donors with incorporation of molecular oxygen, incorporation of two atoms of oxygen; zinc ion binding

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