

# Recombinant Human Lysine (K)-specific Demethylase 4C, GST-tagged

**Cat. No.** KDM4C-428H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human JMJD2C (amino-acids 2-372), with N-terminal GST tag expressed in a <i>Baculovirus infected Sf9</i> cell expression system. MW = 69 kDa.
<b>Species</b>	Human
<b>Source</b>	Sf9 Cells
<b>ProteinLength</b>	2-372 a.a.
<b>Description</b>	Lysine-specific demethylase 4C is an enzyme that in humans is encoded by the KDM4C gene. 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.
<b>Purity</b>	>80%.
<b>Application</b>	Useful for the study of enzyme kinetics, screening inhibitors, and selectivity profiling.
<b>Formulated In</b>	25 mM Tris-HCl, pH 8.0, 100 mM NaCl, 0.05% Tween-20, 30% glycerol, and 3 mM DTT.

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**Stability** >6 months at –80°C.

## GENE INFORMATION

**Gene Name** [KDM4C lysine \(K\)-specific demethylase 4C \[ Homo sapiens \]](#)

**Synonyms** KDM4C; lysine (K)-specific demethylase 4C; GASC1; JHDM3C; JMJD2C; FLJ25949; KIAA0780; bA146B14.1; jumonji domain containing 2C; gene amplified in squamous cell carcinoma 1; JmjC domain-containing histone demethylation protein 3C; EC 1.14.11.-

**Gene ID** [23081](#)

**mRNA Refseq** [NM\\_001146694](#)

**Protein Refseq** [NP\\_001140166](#)

**MIM** [605469](#)

**UniProt ID** [Q9H3R0](#)

**Chromosome Location** 9p24.1

**Function** iron ion binding; molecular\_function; oxidoreductase activity; oxidoreductase activity, acting on single donors with; incorporation of molecular oxygen, incorporation of two atoms of oxygen; protein binding; zinc ion binding

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