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PRODUCT INFORMATION



JMJD2C tudor domain (human, recombinant)

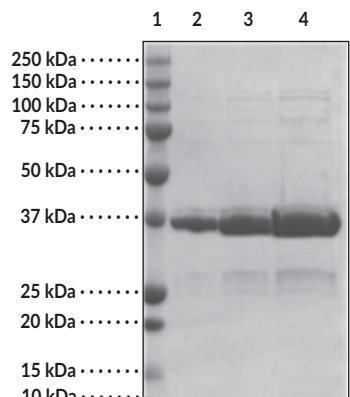
Item No. 9001953

Overview and Properties

Synonyms:	GASC-1 Protein, KDM4C, Lysine-specific Demethylase 4C, JmjC Domain-containing Histone Demethylation Protein 3C, Jumonji Domain-containing Protein 2C
Source:	Recombinant N-terminal GST-tagged protein expressed in <i>E. coli</i>
Amino Acids:	869-1,003 (tudor domain)
Uniprot No.:	Q9H3R0
M _r :	39.89 kDa
Storage:	-80°C (as supplied)
Stability:	≥6 months
Supplied in:	50 mM Tris, pH 7.5, containing 150 mM sodium chloride and 20% glycerol
Protein	
Concentration:	batch specific mg/ml

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Image



Lane 1: MW Markers
Lane 2: JMJD2C Tudor (2 µg)
Lane 3: JMJD2C Tudor (5 µg)
Lane 4: JMJD2C Tudor (10 µg)

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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PRODUCT INFORMATION

Description

Tudor domains are small protein structural motifs of ~50 amino acids related to the “royal family” of methyl readers, which also includes chromo, MBT, PWWP, and Agenet-like domains.^{1,2} Tudor domains occur either alone, in tandem, or with other domains and are found in many proteins that are involved in RNA metabolism, germ cell development, transposon silencing, DNA damage response, histone modification, and chromatin remodeling.³ The tudor domains recognize symmetric methylated arginine or methylated lysine residues.⁴⁻⁷ JMJD2C is an α-ketoglutarate-dependent Fe (II) oxygenase that catalyzes the demethylation of trimethylated histone H3 at lysine residues 9 and 36 (H3K9me3 and H3K36me3).⁸ This protein product contains the tandem tudor domains of JMJD2C.

References

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