

Product datasheet

Recombinant Human KDM4C / GASC1 / JMJD2C protein ab167940

[2 References](#) [1 Image](#)

Description

Product name	Recombinant Human KDM4C / GASC1 / JMJD2C protein
Purity	> 95 % Densitometry. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q9H3R0</u>
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MEVAEVESPL NPSCCKIMTFR PSMEEFREFN KYLAYMESKG AHRAGLAKVI PPKEWKPRQC YDDIDNLLIP APIQQMVTGQ SGLFTQYNIQ KKAMTVKEFR QLANSGKYCT PRYLDYEDLE RKYWKNLTFV APIYGADING SIYDEGVDEW NIARLNTVLD VVEEECGISI EGVNTPYLYF GMWKTTFAWH TEDMDLYSIN YLHFGEPSW YAIPPEHGKR LERLAQGFFP SSSQGDAFL RHKMTLISPS VLKKGIPFD KITQEAGEFM ITFPYGYHAG FNHGFNCAES TNFATVRWID YGKVAKLCTC RKDMVKISMD IFVRKFPDR YQLWKQGKDI YTIDHTKPTP ASTPEVKAWL QRRRKVRKAS RSFQCARSTS KRPKADEEEE VSDEVDGAEV PNPDSVTDDL KVSEKSEAAV KLRNTEASSE EESSASRMQV EQNLSDHIKL SGNSCLSTSV
Predicted molecular weight	82 kDa including tags
Amino acids	1 to 460
Tags	GST tag N-Terminus

Specifications

Our **Abpromise guarantee** covers the use of **ab167940** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications Western blot

SDS-PAGE

Form Liquid

Preparation and Storage

Stability and Storage Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituents: 0.31% Glutathione, 0.002% PMSF, 0.004% DTT, 0.79% Tris HCl, 0.004% EDTA, 25% Glycerol (glycerin, glycerine), 0.29% Sodium chloride

General Info

Function Histone demethylase that specifically demethylates 'Lys-9' and 'Lys-36' residues of histone H3, thereby playing a central role in histone code. Does not demethylate histone H3 'Lys-4', H3 'Lys-27' nor H4 'Lys-20'. Demethylates trimethylated H3 'Lys-9' and H3 'Lys-36' residue, while it has no activity on mono- and dimethylated residues. Demethylation of Lys residue generates formaldehyde and succinate.

Tissue specificity Overexpressed in several esophageal squamous cell carcinomas (ESCs).

Sequence similarities Belongs to the JHDM3 histone demethylase family.

Contains 1 JmjC domain.

Contains 1 JmjN domain.

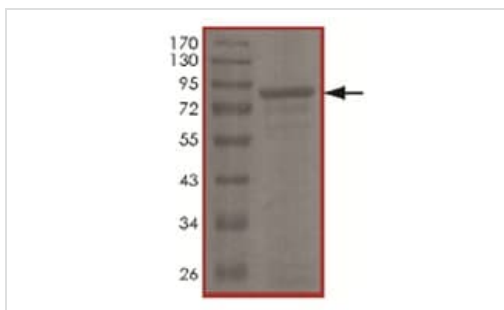
Contains 2 PHD-type zinc fingers.

Contains 2 Tudor domains.

Domain The 2 Tudor domains recognize and bind methylated histones. Double Tudor domain has an interdigitated structure and the unusual fold is required for its ability to bind methylated histone tails.

Cellular localization Nucleus.

Images



SDS Page analysis of ab167940

SDS-PAGE - Recombinant Human KDM4C /
GASC1 / JMJD2C protein (ab167940)

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