

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.	
Expression system	Baculovirus infected Sf9 cells	
Accession	Q9H3R0	
Protein length	Protein fragment	
Animal free	No	
Nature	Recombinant	
Species	Human	
Sequence	<pre> MEVAEVESPL NPSCCKIMTFR PSMEEFREFN KYLAYMESKG AHRAGLAKVI PPKKEWKPRQC YDDIDNLLIP APIQQMVTGQ SGLFTQYNIQ KKAMTVKEFR QLANSGKYCT PRYLDYEDLE RKYWKNLTFV APIYGADING SYDEGVDEW NIARLNTVLD VVEEECGISI EGVNTPYLYF GMWKTTFAWH TEDMDLYSIN YLHFGEPKSW YAIPPEHGKR LERLAQGFFP SSSQGCD AFL RHKMTLISPS VLKKGIPFD KITQEAGEFM ITFPYGYHAG FNHGFNCAES TNFATVRWID YGKVAKLCTC RKDMVKISMD IFVRKFQPD R YQLWKQGKDI YTIDHTKPTP ASTPEVKAWL QRRRKVRKAS RSFQCARSTS KRPKADEEEE VSDEVDGAEV PNPDSVTDDL KVSEKSEAAV KLRNTEASSE EESSASRMQV EQNLSDHIKL SGNSCLSTSV </pre>	
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

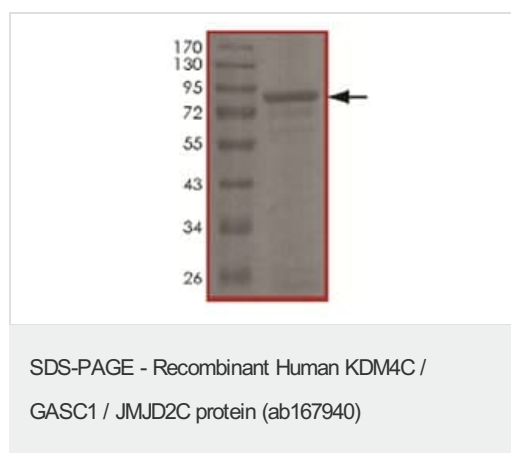
Preparation and Storage

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
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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

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