

Recombinant Human KDM1/LSD1 protein ab132186

画像数 1

製品の詳細

製品名	Recombinant Human KDM1/LSD1 protein		
精製度	>= 80 % Purified via GST Tag. Glutathione Sepharose		
発現系	Wheat germ		
アクセッション番号	<u>O60341-2</u>		
タンパク質長	Full length protein		
Animal free	No		
由来	Recombinant		
生物種	Human		
配列	MLSGKKAIAAAAAAAAAAATGTEAGPGTAGGSENGSEVAAQPA GLSGPAEV GPGAVGERTPRKKEPPRASPPGGLAEPQGSAGPQAGPTTVPG SATPMETG IAETPEGRRTSRRKRAKVEYREMDESLANLSEDEYYSEEERN AKAEKEKK LPPPPQAPPEEENESEPEEPSGQAGGLQDDSSGGYGDGQAS GVEGAAFQ SRLPHDRMTSQAACFPDIISGPQQTQKVFLFIRNRTLQLWL DNPKIQLT FEATLQQLEAPYNSDTVLVHRVHSYLERHGLINFGIYKRIKP LPTKKTGK VIIIGSGVSGLAAARQLQSFQMDVTLLEARDRVGGRVATFRK GNYVADLG AMVVTGLGGNPMVVSQVNMELAKIKKCPLYEANGQADTV KVPKEKDE MVEQEFNRLLLEATSYLSHQLDNFVNLNNKPVSLGQALEVVIQL QEKHVKDE QIEHWKKIVKTQEELKELLNKMVNLKEKIKELHQQYKEASEV KPPRDITA EFLVKSKHRDLTALCKEYDELAETQGKLEEKLQLEANPPSD VYLSSRDR QILDWHFANLEFANATPLSTLSLKHWDQDDDFEFTGSHLTVR NGYSCVPV ALAEGLDIKLNTAVRQVRYTASGCEVIAVNTRSTSQTFIYKC		

DAVLCTLP
 LGVLKQQPPAVQFVPPLPEWKTSVQRMGFGNLNKVVLCFDR
 VFWDPSVN
 LFGHVGSTTASRGELFLFWNLYKAPILLALVAGEAAGIMENTI
 SDDVIVGR
 CLAILKGIFGSSAVPQPKETVVSRRADPWARGSYSYVAAGS
 SGNDYDLM
 AQPITPGPSIPGAPQPIRLFFAGEHTIRNYPATVHGALLSG
 LREAGRIA DQFLGAMYTLPRQATPGVPAQQSPSM

予測される分子量	122 kDa including tags
領域	1 to 876
タグ	GST tag N-Terminus

特性

Our **Abpromise guarantee** covers the use of **ab132186** in the following tested applications.

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

アプリケーション	Western blot
	SDS-PAGE
	ELISA
製品の状態	Liquid

前処理および保存

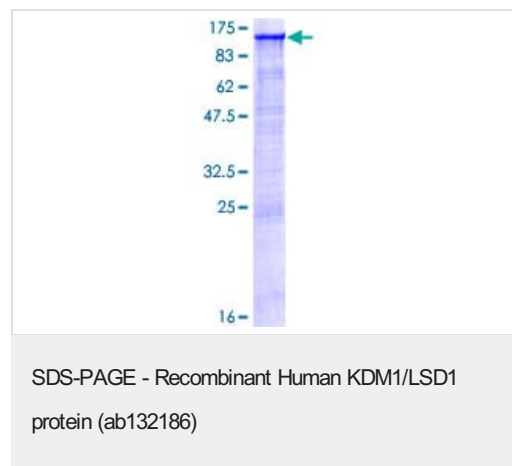
保存方法および安定性	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
	pH: 8.00
	Constituents: 0.31% Glutathione, 0.79% Tris HCl

関連情報

機能	Histone demethylase that demethylates both 'Lys-4' (H3K4me) and 'Lys-9' (H3K9me) of histone H3, thereby acting as a coactivator or a corepressor, depending on the context. Acts by oxidizing the substrate by FAD to generate the corresponding imine that is subsequently hydrolyzed. Acts as a corepressor by mediating demethylation of H3K4me, a specific tag for epigenetic transcriptional activation. Demethylates both mono- (H3K4me1) and di-methylated (H3K4me2) H3K4me. May play a role in the repression of neuronal genes. Alone, it is unable to demethylate H3K4me on nucleosomes and requires the presence of RCOR1/CoREST to achieve such activity. Also acts as a coactivator of androgen receptor (ANDR)-dependent transcription, by being recruited to ANDR target genes and mediating demethylation of H3K9me, a specific tag for epigenetic transcriptional repression. The presence of PRKCB in ANDR-containing complexes, which mediates phosphorylation of 'Thr-6' of histone H3 (H3T6ph), a specific tag that prevents demethylation H3K4me, prevents H3K4me demethylase activity of KDM1A. Demethylates di-methylated 'Lys-370' of p53/TP53 which prevents interaction of p53/TP53 with TP53BP1 and represses p53/TP53-mediated transcriptional activation. Demethylates and stabilizes the DNA methylase DNMT1. Required for gastrulation during embryogenesis.
組織特異性	Ubiquitously expressed.

配列類似性	Belongs to the flavin monoamine oxidase family. Contains 1 SWIRM domain.
ドメイン	The SWIRM domain may act as an anchor site for a histone tail.
細胞内局在	Nucleus.

画像



12.5% SDS-PAGE analysis of ab132186 stained with Coomassie Blue.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors