

Recombinant Human KMT3C / SMYD2 protein  
ab196427

1 Image

Description	
Product name	Recombinant Human KMT3C / SMYD2 protein
Purity	>= 80 % SDS-PAGE. Affinity purified.
Expression system	Baculovirus infected Sf9 cells
Accession	<u>Q9NRG4</u>
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MRAEGLGGLERFCSPGKGRGLRALQPFQVGDLLFSCPA YAYLTVNERGN HCEYCFTRKEGLSKCGRCKQAFYCNVECQKEDWPMHKL ECSPMVVFGENW NPSETVRLTARILAKQKIHPERTPSEKLLAVKEFESHLDKL DNEKKDLIQ SDIAALHHFYSKHLGFPDNDSLVVLFAQVNCNGFTIEDEEL SHLGSAIFP DVALMNHSCCPNVIVTYKGTAEVRAVQEIKPGEEVFVTSYI DLLYPTEDR NDRLRDSYFFTCECQECTTKDKDKAKVEIRKLSDPPKAE AIRDMVRYARN VIEEFRAKHYSKPSSELLEICELSQEKMSSVFEDSNVYML HMMYQAMGVC LYMQDWEGALQYGQKIIKPYSKHYPYSLNVASMWLKLGR LYMGLEHKAA GEKALKKAAIMEVAHGKDHPIYSEIKQEIESH
Predicted molecular weight	50 kDa including tags
Amino acids	1 to 433
Tags	DDDDK tag N-Terminus
Additional sequence information	NM_020197.

## Specifications

Our **Abpromise guarantee** covers the use of **ab196427** in the following tested applications.

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

<b>Applications</b>	SDS-PAGE
<b>Form</b>	Liquid

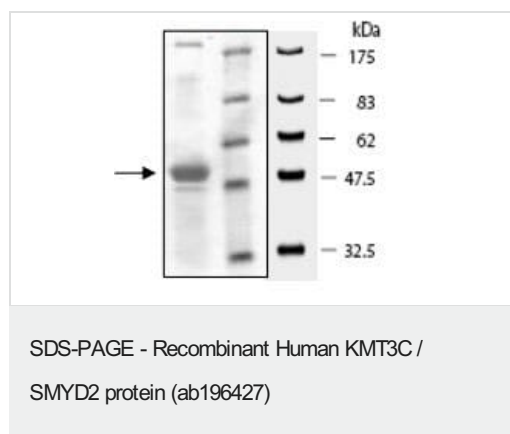
## Preparation and Storage

<b>Stability and Storage</b>	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 8.00 Constituents: 0.71% Tris HCl, 0.72% Sodium chloride, 0.02% Potassium chloride, 0.05% (R*,R*)-1,4-Dimercaptobutan-2,3-diol, 10% Glycerol (glycerin, glycerine)  Contains 90 µg/ml DDDDK peptide.
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## General Info

<b>Function</b>	Protein-lysine N-methyltransferase that methylates both histones and non-histone proteins. Specifically methylates histone H3 'Lys-4' (H3K4me) and dimethylates histone H3 'Lys-36' (H3K36me2). Has also methyltransferase activity toward non-histone proteins such as p53/TP53 and RB1. Monomethylates 'Lys-370' of p53/TP53, leading to decreased DNA-binding activity and subsequent transcriptional regulation activity of p53/TP53. Monomethylates 'Lys-860' of RB1/RB.
<b>Sequence similarities</b>	Contains 1 MYND-type zinc finger. Contains 1 SET domain.
<b>Cellular localization</b>	Cytoplasm > cytosol. Nucleus.

## Images



10% SDS-PAGE analysis of 4 µg ab196427 with Coomassie staining.

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

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