

Product datasheet

Recombinant Human KMT3C / SMYD2 protein
ab107699

1 Image

Description

Product name	Recombinant Human KMT3C / SMYD2 protein
Purity	> 85 % SDS-PAGE. The purity was determined to be >85% by densitometry
Expression system	Baculovirus infected Sf9 cells
Accession	Q9NRG4
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human
Predicted molecular weight	70 kDa including tags
Amino acids	1 to 371

Specifications

Our [Abpromise guarantee](#) covers the use of **ab107699** in the following tested applications.

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

Applications	SDS-PAGE Western blot
Form	Liquid

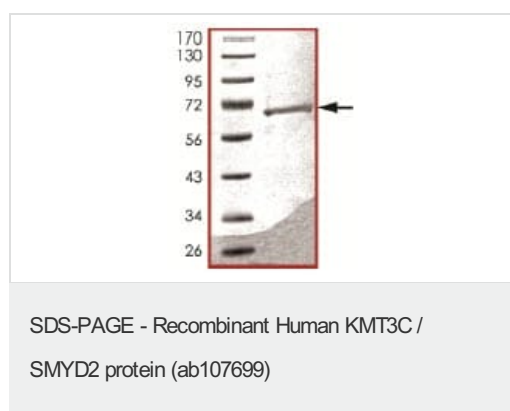
Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.307% Glutathione, 0.00174% PMSF, 0.00385% DTT, 0.79% Tris HCl, 0.00292% EDTA, 25% Glycerol, 0.29% Sodium chloride
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General Info

Function	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.
Sequence similarities	Contains 1 MYND-type zinc finger. Contains 1 SET domain.
Cellular localization	Cytoplasm > cytosol. Nucleus.

Images



SDS-PAGE analysis of ab107699

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