

Product datasheet

Recombinant Human SMYD3 protein ab80377

1 Image

Overview

Product name	Recombinant Human SMYD3 protein
Protein length	Protein fragment

Description

Nature	Recombinant
Source	Baculovirus infected Sf9 cells

Amino Acid Sequence

Species	Human
Amino acids	35 to 428

Specifications

Our [Abpromise guarantee](#) covers the use of **ab80377** in the following tested applications.

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

Applications	Functional Studies SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Upon delivery aliquot. Store at -80°C. Avoid freeze / thaw cycle. Preservative: None Constituents: 30% Glycerol, 0.05% Tween 20, 3mM DTT, 25mM Tris HCl, 100mM Sodium chloride, pH 8
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General Info

Function	Histone methyltransferase. Specifically methylates 'Lys-4' of histone H3, inducing di- and tri-methylation, but not monomethylation. Plays an important role in transcriptional activation as a member of an RNA polymerase complex. Binds DNA containing 5'-CCCTCC-3' or 5'-
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GAGGGG-3' sequences.

Tissue specificity

Expressed in skeletal muscles and testis. Overexpressed in a majority of colorectal and hepatocellular carcinomas.

Sequence similarities

Belongs to the histone-lysine methyltransferase family.

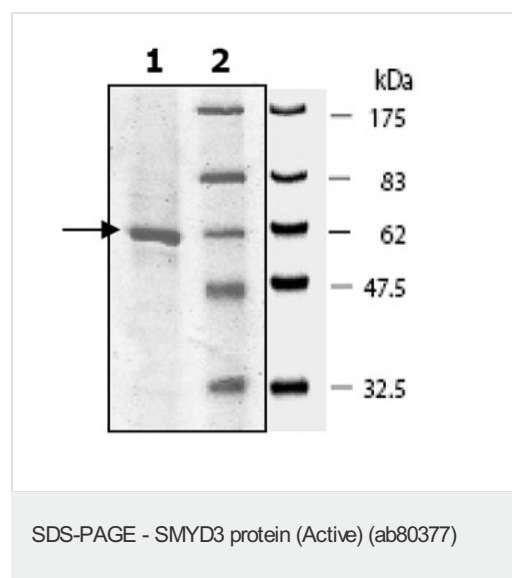
Contains 1 MYND-type zinc finger.

Contains 1 SET domain.

Cellular localization

Cytoplasm. Nucleus. Mainly cytoplasmic when cells are arrested at G0/G1. Accumulates in the nucleus at S phase and G2/M.

Images



Lane 1: ab80377 on 10% SDS-PAGE,

Coomassie staining, 4µg.

Lane 2: Protein marker.

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