

Product datasheet

Recombinant Human Dnmt3L protein (Tagged)  
 ab176954

1 Image

Description

<b>Product name</b>	Recombinant Human Dnmt3L protein (Tagged)
<b>Purity</b>	> 95 % SDS-PAGE.
<b>Expression system</b>	Escherichia coli
<b>Accession</b>	<a href="#">Q9UJW3-2</a>
<b>Protein length</b>	Protein fragment
<b>Animal free</b>	No
<b>Nature</b>	Recombinant
<b>Species</b>	Human
<b>Sequence</b>	<p>W RSQLKAFYDR ESENPLEMFE TVPVWRRQPV          RVLSLFEDIK KELTSLGFLE SGSDPGQLKH          VVDVTDTVRK DVEEWGPFDL VYGATPPLGH          TCDRPPSWYL FQFHRLQYA RPKPGSPRPF          FWMFVDNLVL NKEDLDVASR FLEMPEVTIP          DVHGGSLQNA VRVWSNIPAI RSSRHWALVS          EEELSLLAQN KQSSKLAAKW PTKLVKNCFL          PLREYFKYFS TELTSSL</p>
<b>Predicted molecular weight</b>	53 kDa including tags
<b>Amino acids</b>	160 to 387
<b>Tags</b>	proprietary tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab176954** 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

**Form** Liquid

Preparation and Storage

## Stability and Storage

Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle.

pH: 8.00

Constituents: 0.61% Tris, 2.92% Sodium chloride, 20% Glycerol

## General Info

### Function

Catalytically inactive regulatory factor of DNA methyltransferases. It is essential for the function of DNMT3A and DNMT3B. Activates DNMT3A and DNMT3B by binding to their catalytic domain. Accelerates the binding of DNA and AdoMet to the methyltransferases and dissociates from the complex after DNA binding to the methyltransferases. Recognizes unmethylated histone H3 lysine 4 (H3K4) and induces de novo DNA methylation by recruitment or activation of DNMT3.

### Tissue specificity

Expressed at low levels in several tissues including testis, ovary, and thymus.

### Sequence similarities

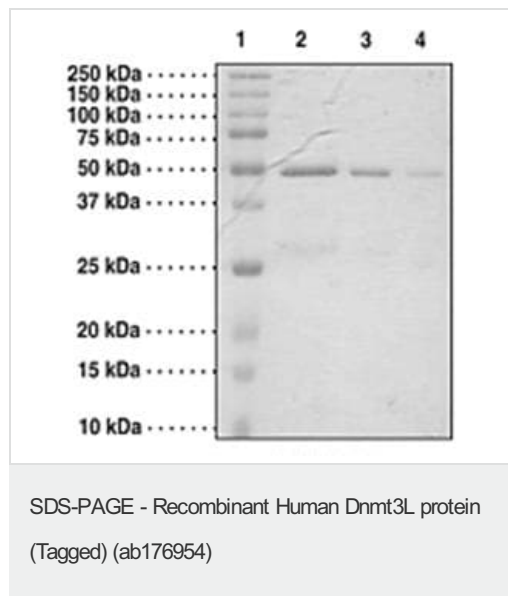
Belongs to the C5-methyltransferase family.

Contains 1 ADD-type zinc finger.

### Cellular localization

Nucleus.

## Images



SDS-PAGE analysis of ab176954

Lane 1: Markers:

Lane 2: ab176954 (4 µg)

Lane 3: ab176954 (2 µg)

Lane 4: ab176954 (1 µg)

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

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