

Product datasheet

Recombinant Human Dnmt3L protein (BSA and azide free) ab180335

1 Image

Description

| | |
|--|--|
| Product name | Recombinant Human Dnmt3L protein (BSA and azide free) |
| Purity | > 90 % SDS-PAGE. ab180335 was purified using conventional chromatography. |
| Expression system | Escherichia coli |
| Accession | Q9UJW3 |
| Protein length | Full length protein |
| Animal free | No |
| Nature | Recombinant |
| Species | Human |
| Sequence | <pre> MGSSHHHHHH SSGLVPRGSH MGSEFMAAIP ALDPEAEPSM DVILVGSSEL SSSVSPGTGR DLIAYEVKAN QRNIEDICIC CGSLQVHTQH PLFEGGICAP CKDKFLDALF LYDDDGYQSY CSICCSGETL LICGNPDCTR CYCFECVDSL VGPGTSGKVH AMSNWVCYL LPSSRSGLLQ RRRKWRSQK AFYDRESENP LEMFETVPVW RRQPVRVLSL FEDIKKELTS LGFLESGSDP GQLKHVVDVT DTVRKDVEEW GPFDLVYGAT PPLGHTCDRP PSWYLFQFHR LLQYARPKPG SPRPFWMFV DNLVLNKEDL DVASRFLEME PVTIPDVHGG SLQNAVRVWS NIPAIRSRHW ALVSEEELSL LAQNKQSSKL AAKWPTKLVK NCFLPLREYF KYFSTELTSS L </pre> |
| Predicted molecular weight | 46 kDa including tags |
| Amino acids | 1 to 386 |
| Tags | His tag N-Terminus |
| Additional sequence information | NP_787063 |

Specifications

Our [Abpromise guarantee](#) covers the use of **ab180335** 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 Mass Spectrometry |
| Mass spectrometry | MALDI-TOF |
| Form | Liquid |

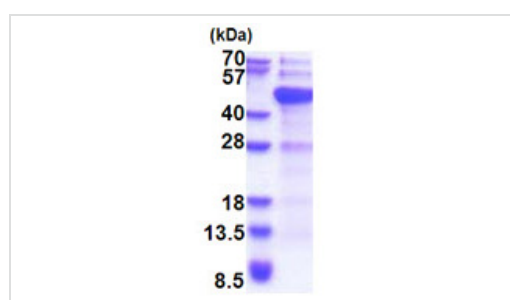
Preparation and Storage

| | |
|------------------------------|---|
| Stability and Storage | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle. pH: 8 Constituents: 0.32% Tris HCl, 0.88% Sodium chloride, 10% Glycerol, 0.02% DTT |
|------------------------------|---|

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



15% SDS-PAGE analysis of ab180335 (3µg).

SDS-PAGE - Recombinant Human Dhmt3L protein
(BSA and azide free) (ab180335)

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

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