



[Go to Product page](#)

Datasheet for ABIN5711658

ALKBH3 Protein (AA 1-170) (His-SUMO Tag)

1 Image

Overview

Quantity:	100 µg
Target:	ALKBH3
Protein Characteristics:	AA 1-170
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALKBH3 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MEEKRRRARV QGAWAAPVKS QAIAQPATTA KSHLHQKPGQ TWKNKEHHLS DREFVFKEPQ QVVRRAPEPR VIEEGVYEIS LSPTGVSRVC LYPGFVDVKE ADWILEQLCQ DVPWKQRTGI REDSILQLTF KKSAPVSGTA TAPQSCWYER PSPPHIPGPA ILTRTRLWAP
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	ALKBH3
Alternative Name:	ALKB3 (ALKBH3 Products)
Background:	Dioxygenase that repairs alkylated DNA containing 1-methyladenine (1meA) and 3-methylcytosine (3meC) by oxidative dehylation. Has a strong preference for single-stranded

Target Details

DNA. Able to process alkylated 3mC within double-stranded regions via its interaction with ASCC3, which promotes DNA unwinding to generate single-stranded substrate needed for ALKHB3. May also act on RNA. Requires molecular oxygen, alpha-ketoglutarate and iron.

Molecular Weight: 35.3 kDa

UniProt: [Q96Q83](#)

Pathways: [DNA Damage Repair](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 0.1-2 mg/mL

Buffer: 20 mM Tris-HCl based buffer, pH 8.0

Storage: -80 °C, 4 °C, -20 °C

Storage Comment: Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



SDS-PAGE

Image 1.