

Product datasheet

Recombinant Human KAT1 / HAT1 protein ab93687

1 Image

Description

Product name	Recombinant Human KAT1 / HAT1 protein
Purity	> 90 % SDS-PAGE. ab93687 is purified using conventional chromatography techniques.
Expression system	Escherichia coli
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Amino acids	20 to 341

Specifications

Our **Abpromise guarantee** covers the use of **ab93687** 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

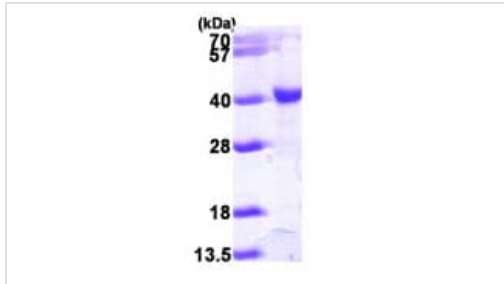
Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. pH: 8.00 Constituents: 0.0154% DTT, 0.316% Tris HCl, 10% Glycerol (glycerin, glycerine)
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General Info

Function	Acetylates soluble but not nucleosomal histone H4 at 'Lys-5' (H4K5ac) and 'Lys-12' (H4K12ac) and, to a lesser extent, acetylates histone H2A at 'Lys-5' (H2AK5ac). Has intrinsic substrate specificity that modifies lysine in recognition sequence GXGKXG. May be involved in nucleosome assembly during DNA replication and repair as part of the histone H3.1 and H3.3 complexes. May play a role in DNA repair in response to free radical damage.
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Sequence similarities	Belongs to the HAT1 family.
Developmental stage	Highly expressed in mitotic cells (at protein level).
Cellular localization	Nucleus matrix and Cytoplasm. Nucleus. Nucleus matrix. Nucleus > nucleoplasm. Localization is predominantly nuclear in normal cells. Treatment with hydrogen peroxide or ionizing radiation enhances nuclear localization through redistribution of existing protein.

Images



15% SDS-PAGE showing ab93687 at approximately 40 kDa (3 μ g).

SDS-PAGE - Recombinant Human KAT1 / HAT1 protein (ab93687)

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

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- Replacement or refund for products not performing as stated on the datasheet
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