

RP03586

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Recombinant Human SETD7 Protein

Catalog No.: RP03586

Recombinant

Sequence Information

Species	Gene ID	Swiss Prot
<i>E. coli</i>	80854	Q8WTS6

Tags

N-His

Synonyms

KIAA1717; KMT7; SET7; SET9; SET7/9

Product Information

Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Purification

> 95% as determined by HPLC

Endotoxin

< 1 EU/μg of the protein by LAL method

Formulation

Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

Reconstitution

Background

SETD7 is a methyltransferase that specifically catalyzes the monomethylation of lysine 4 on histone H3. A variety of studies has revealed the role of SETD7 in posttranslational modifications of non-histone proteins. Aberrant expression of SETD7 has been associated with various diseases, including cancer. As a prognostic marker of breast cancer and a novel antioxidant promoter under oxidative stress in breast cancer, SETD7 is considered a good target for the development of new epigenetic drugs.

Basic Information

Description

Recombinant Human SETD7 Protein is produced by *E. coli* cells expression system. The target protein is expressed with sequence (Met1-Lys366) of Human SETD7 (Accession # NP_085151.1) fused with His tag at the N-Terminus.

Bio-Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

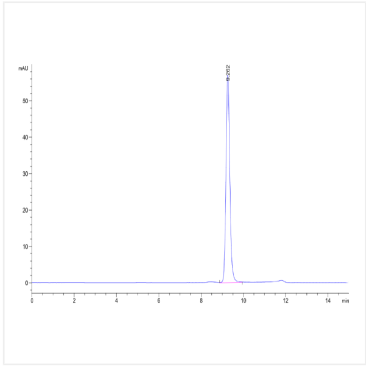
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Contact

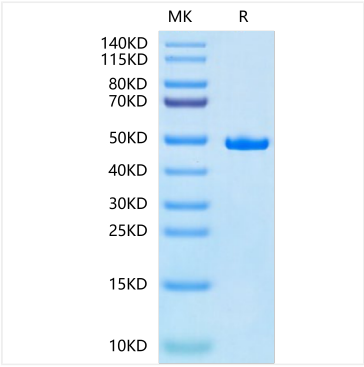


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Validation Data



The purity of Human SETD7 is greater than 95% as determined by SEC-HPLC.



Human SETD7 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.