

Recombinant Human SETD7 Protein

Catalog No.: RP03586

Sequence Information

Species **Gene ID**
Human 80854

Swiss Prot **Tags**
Q8WTS6 N-His

Synonyms

KIAA1717; KMT7; SET7; SET9;
SET7/9

Product Information

Source **Purification**
E. coli > 95% as
determined by
HPLC

Calculated MW **Observed MW**
41.68 kDa 47–50 kDa

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

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.

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.

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.

Storage

Store at –20°C

Operational Notes

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

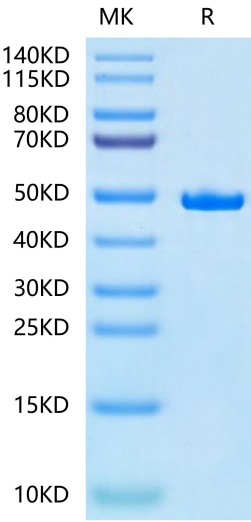
Contact

☎ | 400-999-6126

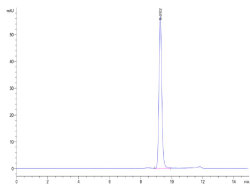
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Validation Data



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



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