

Human SETD7 Protein

Cat. No. SED-HM107



| Description | |
|------------------|--|
| Source | Recombinant Human SETD7 Protein is expressed from E.coli with His tag at the N-Terminus. It contains Met1-Lys366. |
| Accession | NP_085151.1 |
| Molecular Weight | The protein has a predicted MW of 41.68 kDa. The protein migrates to 47-50 kDa based on Bis-Tris PAGE result. |
| Endotoxin | Less than 1 EU per µg by the LAL method. |
| Purity | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |

| Formulation and Storage | |
|-------------------------|---|
| Formulation | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| Reconstitution | Dissolve the lyophilized protein in distilled water. Please refer to the Certificate of Analysis for detailed instructions. |
| Storage | -20 to -80°C for 12 months as supplied from date of receipt.-80°C for 3 months after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles. |

| Background | |
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| 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. | |

Assay Data

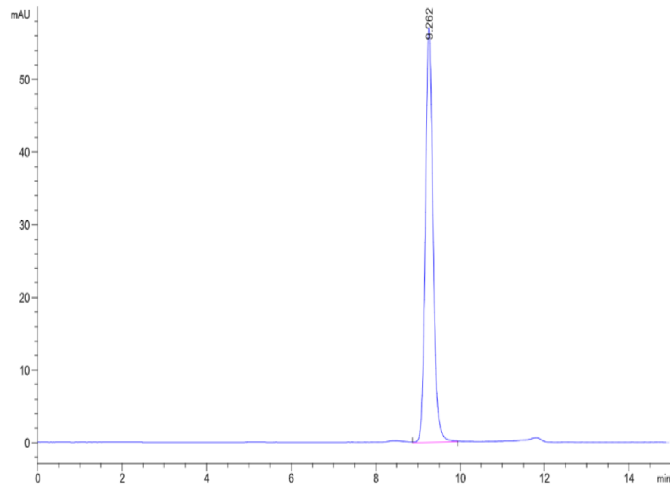
Bis-Tris PAGE



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

SEC-HPLC

Assay Data



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