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Datasheet for ABIN7504524
SETD7 Protein (AA 1-366) (His tag)

Overview

Quantity:	100 µg
Target:	SETD7
Protein Characteristics:	AA 1-366
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SETD7 protein is labelled with His tag.

Product Details

Purpose:	Human SETD7 Protein
Sequence:	Met1-Lys366
Characteristics:	Recombinant Human SETD7 Protein is expressed from E.coli with His tag at the N-Terminus.It contains Met1-Lys366.
Purity:	> 95 % as determined by Tris-Bis PAGE,> 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.

Target Details

Target:	SETD7
Alternative Name:	SETD7 (SETD7 Products)

Target Details

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.

Molecular Weight: 41.68 kDa. The protein migrates to 47-50 kDa based on Tris-Bis PAGE result.

NCBI Accession: [NP_085151](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.

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

Storage: -20 °C,-80 °C

Storage Comment: -20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,-2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Expiry Date: 12 months