

Recombinant Full Length Human SETD4 Protein, GST&His tagged

Cat. No. SETD4-998H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human SET domain containing 4 (SETD4), transcript variant 3, full length, with N-terminal GST and C-terminal HIS tag, expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-440 aa
Description	Histone-lysine N-methyltransferase that acts as a regulator of cell proliferation, cell differentiation and inflammatory response. Regulates the inflammatory response by mediating mono- and dimethylation of 'Lys-4' of histone H3 (H3K4me1 and H3K4me2, respectively), leading to activate the transcription of proinflammatory cytokines IL6 and TNF-alpha. Also involved in the regulation of stem cell quiescence by catalyzing the trimethylation of 'Lys-20' of histone H4 (H4K20me3), thereby promoting heterochromatin formation. Involved in proliferation, migration, paracrine and myogenic differentiation of bone marrow mesenchymal stem cells (BMSCs).
Molecular Mass	62.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Note	For testing in cell culture applications, please filter before use. Note that you may

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experience some loss of protein during the filtration process.

Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Storage Buffer	25 mM Tris-HCl, pH 8.0, 150 mM NaCl, 1% sarkosyl, 10% glycerol
Concentration	>0.05 µg/µL as determined by microplate BCA method
Shipping	Dry Ice

GENE INFORMATION

Gene Name	SETD4 SET domain containing 4 [Homo sapiens (human)]
Official Symbol	SETD4
Synonyms	SETD4; SET domain containing 4; C21orf18, C21orf27, chromosome 21 open reading frame 18 , chromosome 21 open reading frame 27; SET domain-containing protein 4; C21orf18; C21orf27
Gene ID	54093
mRNA Refseq	NM_001007259
Protein Refseq	NP_001007260
MIM	620995

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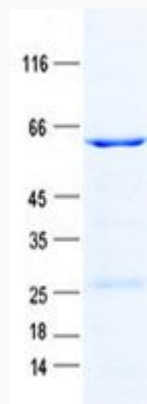
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UniProt ID

Q9NVD3

SDS-PAGE

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