

Recombinant Mouse Chtop Protein, Myc/DDK-tagged

Cat. No. Chtop-2161M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length chromatin target of PRMT1 (Chtop), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Plays an important role in the ligand-dependent activation of estrogen receptor target genes. May play a role in the silencing of fetal globin genes. Recruits the 5FMC complex to ZNF148, leading to desumoylation of ZNF148 and subsequent transactivation of ZNF148 target genes. Required for the tumorigenicity of glioblastoma cells. Binds to 5-hydroxymethylcytosine (5hmC) and associates with the methylosome complex containing PRMT1, PRMT5, MEP50 and ERH. The CHTOP-methylosome complex associated with 5hmC methylates H4R3 and transactivates genes involved in glioblastomagenesis.
Molecular Mass	23.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
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 after receiving vials.

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Concentration >50 µg/mL as determined by microplate BCA method

Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name Chtop chromatin target of PRMT1 [*Mus musculus* (house mouse)]

Official Symbol Chtop

Synonyms Chtop; chromatin target of PRMT1; F; Fop; Srag; 2500003M10Rik; chromatin target of PRMT1 protein; Friend of PRMT1 protein; small arginine- and glycine-rich protein; small protein rich in arginine and glycine

Gene ID 66511

mRNA Refseq NM_023215

Protein Refseq NP_075704

UniProt ID Q9CY57

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