Recombinant Human CHTOP Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CHTOP-3945H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	C1orf77 MS Standard C13 and N15-labeled recombinant protein (NP_056422) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a small nuclear protein that is characterized by an arginine and glycine rich region. This protein may have an important role in the regulation of fetal globin gene expression and in the activation of estrogen-responsive genes. A recent study reported that this protein binds 5-hydroxymethylcytosine (5hmC) and associates with an arginine methyltransferase complex (methylosome), which promotes methylation of arginine 3 of histone H4 (H4R3) and activation of genes involved in glioblastomagenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.
Molecular Mass	26.5 kDa
AA Sequence	MAAQSAPKVVLKSTTKMSLNERFTNMLKNKQPTPVNIRASMQQQQQLASARNRRL AQQMENRPSVQAALKLKQKSLKQRLGKSNIQARLGRPIGALARGAIGGRGLPIIQRG LPRGGLRGGRATRTLLRGGMSLRGQNLLRGGRAVAPRMGLRRGGVRGRGGPGR GGLGRGAMGRGGIGGRGRGMIGRGRGGFGGRGRGRGRGRGALARPVLTKEQLD NQLDAYMSKTKGHLDAELDAYMAQTDPETNDTRTRPLEQKLISEEDLAANDILDYKD

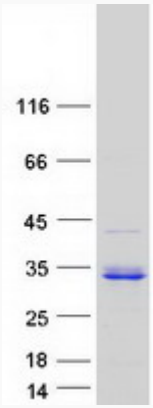
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	DDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	CHTOP chromatin target of PRMT1 [Homo sapiens (human)]
Official Symbol	CHTOP
Synonyms	CHTOP; chromatin target of PRMT1; C1orf77, chromosome 1 open reading frame 77; chromatin target of PRMT1 protein; DKFZP547E1010; FOP; Friend of Prmt1; small protein rich in arginine and glycine; SRAG; friend of PRMT1 protein; SRAG-3; SRAG-5; pp7704; C1orf77; FL-SRAG; RP1-178F15.2; FLJ40551; MGC86949; MGC131924; DKFZp547E1010;
Gene ID	26097
mRNA Refseq	NM_015607
Protein Refseq	NP_056422

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MIM	614206
UniProt ID	Q9Y3Y2
SDS-PAGE	

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