

Recombinant Full Length Human CHTOP Protein, GST-tagged

Cat. No. CHTOP-1836HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CHTOP full-length ORF (NP_056422.2, 1 a.a. - 248 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	248 amino acids
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. [provided by RefSeq, Nov 2015]
Molecular Mass	52.8 kDa
AA Sequence	MAAQSA PKVVLKSTTKMSLNERTNMLKNKQPTPVNIRASMQQQQQLASARNRRL AQQMENRPSVQAALKLKQSLKQRLGKSNIQARLGRPIGALARGAIGGRGLPIIQRGL PRGGLRGGRATRLLRGGM SLRGQNLLRGGRAVAPRMGLRRGGVVRGRGGPGRG GLGRGAMGRGGIGGRGRGMIGRGRGGFGGRGRGRGRGRGALARPVLTK EQLDN QLDAYMSKTKGH LDAELDAYMAQTDPETND

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Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	CHTOP chromatin target of PRMT1 [Homo sapiens]
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_001206612
Protein Refseq	NP_001193541
MIM	614206

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UniProt ID

Q9Y3Y2

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