

Recombinant Human SAP18, His-tagged

Cat. No. SAP18-31375TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length human SAP18 fused to His tag at N-terminus; amino acids 1-153 , 19.7kDa.
Species	Human
Source	E.coli
ProteinLength	1-153 a.a.
Description	Histone acetylation plays a key role in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation are catalyzed by multisubunit complexes. The protein encoded by this gene is a component of the histone deacetylase complex, which includes SIN3, SAP30, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. This protein directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression when tethered to the promoter. A pseudogene has been identified on chromosome 2.
Conjugation	HIS
Tissue specificity	Ubiquitous.
Form	Liquid
Purity	>90% by SDS-PAGE

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Storage buffer	Preservative: None Constituents: 30% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Sequences of amino acids	MGSSHHHHH SSGLVPRGSH MAVESRVTQE EIKKEPEKPI DREKTCPLLL RVFTTNNGRH HRMDEFSGRN VPSSELQIYT WMDATLKELT SLVKEVYPEA RKKGTHFNFA IVFTDVKRPG YRVKEIGSTM SGRKGTDDSM TLQSQKFQIG DYLDIAITPP NRAPPPSGRM RPY
Sequence Similarities	Belongs to the SAP18 family.
Full Length	Full L.

GENE INFORMATION

Gene Name	SAP18 Sin3A-associated protein, 18kDa [Homo sapiens]
Official Symbol	SAP18
Synonyms	SAP18; Sin3A-associated protein, 18kDa; sin3A associated protein, 18kDa; histone deacetylase complex subunit SAP18; 2HOR0202; MGC27131; SAP18p;
Gene ID	10284
mRNA Refseq	NM_005870
Protein Refseq	NP_005861

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MIM	602949
Uniprot ID	O00422
Chromosome Location	13q12.11
Pathway	Exon junction complex (EJC), organism-specific biosystem; Hedgehog Signaling Pathway, organism-specific biosystem; Hedgehog signaling events mediated by Gli proteins, organism-specific biosystem; RNA transport, organism-specific biosystem; RNA transport, conserved biosystem;
Function	protein binding; transcription corepressor activity;

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