Recombinant Human Sin3A-associated Protein, 18kDa

Cat. No. SAP18-182H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant SAP18 protein was expressed in*E.coli*and purified by using conventional chromatography techniques. MW =19.7 kDa (173 aa).
Species	Human
Source	E.coli
Description	SAP18, also known as Sin3A-associated protein, is component of the histone deacetylase complex that plays an important role in the regulation of eukaryotic gene expression. This protein directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression when tethered to the promoter. It also has been shown to play a key role in gene-specific recruitment of the HDAC complex by a number of transcription factors including Gli, GAGA, and Bicoid.
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MAVESRVTQE EIKKEPEKPI DREKTCPLLL RVFTTNNGRH HRMDEFSRGN VPSSELQIYT WMDATLKELT SLVKEVYPEA RKKGTHFNFA IVFTDVKRPG YRVKEIGSTM SGRKGTDDSM TLQSQKFQIG DYLDIAITPP NRAPPPSGRM RPY
Form	Liquid. In 20mM Tris-HCl buffer (pH8.0) containing 0.1M NaCl,
Purity	> 90% by SDS – PAGE.
Concentration	0.5 mg/ml (determined by Bradford assay).

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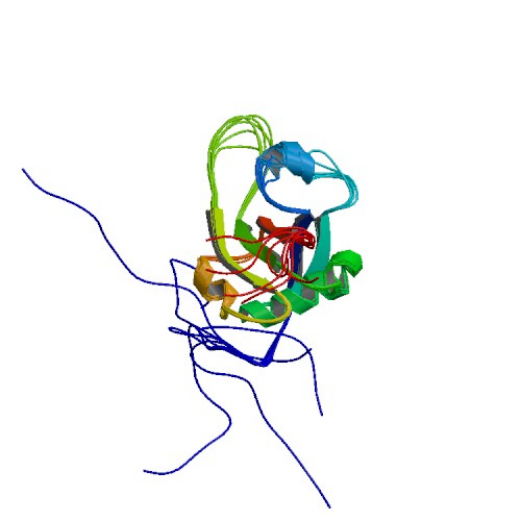
Endotoxin Level	< 1.0 EU per 1 μg of protein (determined by LAL method).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	SAP18 Sin3A-associated protein, 18kDa [Homo sapiens]
Synonyms	SAP18; Sin3A-associated protein, 18kDa; SAP18P; 2HOR0202; MGC27131; sin3-associated polypeptide, p18; cell growth inhibiting protein 38; histone deacetlyase complex subunit SAP18; sin3A-associated protein, 18kDa; SAP18p; Histone deacetylase complex subunit SAP18; Sin3-associated polypeptide, 18 kDa; Sin3-associated polypeptide p18; Cell growth-inhibiting protein 38; GIG38; OTTHUMP00000018107
Gene ID	10284
mRNA Refseq	NM_005870
Protein Refseq	NP_005861
MIM	602949
UniProt ID	O00422
Chromosome Location	13q12.11
Function	protein binding; transcription corepressor activity

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PDB rendering based on 2hde.



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