9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

SAP18 Human

Sin3A-Associated Protein 18kDa Human Recombinant
RCP1988

Product Overview

Name	SAP18 Human
Description	
Sin3A-Associated Protein 18kDa Human Recombinant	
Accession (Primary)	O00422
Synonyms	
Histone deacetylase complex subunit SAP18, Sin3-associated polypeptide 18 kDa, Sin3-associated polypeptide p18, Cell growth-inhibiting protein 38, 2HOR0202, SAP18, GIG38.	
Introduction	
SAP18 is a component of the histone deacetylase complex which has a significant role in the regulation of eukaryotic gene expression. SAP18 directly interacts with SIN3 and enhances SIN3-mediated transcriptional repression once bound to the promoter. SAP18 plays an important part in gene-specific recruitment of the HDAC complex by a number of transcription factors including Gli, GAGA, and Bicoid. Histone acetylation is significant in the regulation of eukaryotic gene expression. Histone acetylation and deacetylation is catalyzed by multisubunit complexes. SAP18 is a component of the histone deacetylase complex, which includes SIN3, SAP30, HDAC1, HDAC2, RbAp46, RbAp48, and other polypeptides. SAP18 is a component of a splicing-dependent multiprotein EJC (exon junction complex) placed at splice junction on mRNAs.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
The SAP18 solution contains 20mM Tris-HCl buffer (pH8.0), 0.1M NaCl, 30% glycerol, 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	

9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

MGSSHHHHHH SSGLVPRGSH MAVESRVTQE EIKKEPEKPI DREKTCPLLL RVFTTNNGRH HRMDEFSRGN VPSSELQIYT WMDATLKELT SLVKEVYPEA RKKGTHFNFA IVFTDVKRPG YRVKEIGSTM SGRKGTDDSM TLQSQKFQIG DYLDIAITPP NRAPPPSGRM RPY.

Precautions

SAP18 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (O00422)