

Recombinant Human SMARCAL1 cell lysate

Cat. No. SMARCAL1-1646HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Description	The protein encoded by this gene is a member of the SWI/SNF family of proteins. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein shows sequence similarity to the E. coli RNA polymerase-binding protein HepA. Mutations in this gene are a cause of Schimke immunoosseous dysplasia (SIOD), an autosomal recessive disorder with the diagnostic features of spondyloepiphyseal dysplasia, renal dysfunction, and T-cell immunodeficiency.
Size	100 ul
Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Applications	Western Blot;

GENE INFORMATION

Gene Name	SMARCAL1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1 [Homo sapiens]
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Official Symbol	SMARCAL1
Synonyms	SMARCAL1; SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a-like 1; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A-like protein 1; ATP driven annealing helicase; HARP; HepA related protein; HHARP; HepA-related protein; SMARCA-like protein 1; ATP-driven annealing helicase; sucrose nonfermenting protein 2-like 1;
Gene ID	50485
mRNA Refseq	NM_001127207
Protein Refseq	NP_001120679
MIM	606622
UniProt ID	Q9NZC9
Chromosome Location	2q35
Function	ATP binding; DNA binding; DNA helicase activity; DNA-dependent ATPase activity; hydrolase activity; hydrolase activity, acting on acid anhydrides, in phosphorus-containing anhydrides; nucleotide binding;