

Human SMARCE1 Knockdown Cell Lysate

Cat. No. SMARCE1-297HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated SMARCE1 Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is part of the large ATP-dependent chromatin remodeling complex SWI/SNF, which is required for transcriptional activation of genes normally repressed by chromatin. The encoded protein, either alone or when in the SWI/SNF complex, can bind to 4-way junction DNA, which is thought to mimic the topology of DNA as it enters or exits the nucleosome. The protein contains a DNA-binding HMG domain, but disruption of this domain does not abolish the DNA-binding or nucleosome-displacement activities of the SWI/SNF complex. Unlike most of the SWI/SNF complex proteins, this protein has no yeast counterpart.
Form	Cell-Tissue Lysis buffer
Molecular Mass	47 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

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Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg SMARCE1 KD HeLa cell lysate
Protein Families	Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	SMARCE1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1 [Homo sapiens (human)]
Official Symbol	SMARCE1
Synonyms	SMARCE1; SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily e, member 1; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily E member 1; BAF57; BRG1-associated factor 57; chromatin remodeling complex BRG1-associated factor 57; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin e1; FLJ35648;
Gene ID	6605
mRNA Refseq	NM_003079
Protein Refseq	NP_003070
MIM	603111

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UniProt ID

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