

Recombinant Human SMARCA1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SMARCA1-4393H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	SMARCA1 MS Standard C13 and N15-labeled recombinant protein (NP_003060) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the SWI/SNF family of proteins. The encoded protein is an ATPase which is expressed in diverse tissues and contributes to the chromatin remodeling complex that is involved in transcription. The protein may also play a role in DNA damage, growth inhibition and apoptosis of cancer cells. Alternative splicing results in multiple transcript variants.
Molecular Mass	123.1 kDa
AA Sequence	MEQDTAAVAATVAAADATATIVVIEDEQPGPSTSQEEGAAAAATEATAATEKGEKKK EKNVSSFQLKLAAPKSEKEMDPEYEEKMKADRAKRFEFLKQTELFHFQPSAQ KSPTSPLNMKLGRPRIKKDEKQSLISAGDYRHRTEQEEDELLSESRTKSNVCIRF EVSPSYVKGGPLRDYQIRGLNWLISLYENGVNGILADEMGLGKTLQTIALLGYLKHYR NIPGPHMVLVPKSTLHNWMNEFKRWVPSLRVICFVGDKDARAAFIRDEMMPGEWD VCVTSYEMVIKEKSVFKKFHWRYLVIDEAHRIKNEKSKLSEIVREFKSTNRLLLTGTPL QNNLHELWALLNFLLPDVFNSADDFDSWFDTKNCLGDQKLVERLHAVLKPFLRRRIK TDVEKSLPPKKEIKIYLGLSKMQREWYTKILMKDIDVLNSSGKMDKMRLNLMQLRK

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CCNHPYLFDAEPGPPYTTDEHIVSNSGKMVLDKLLAKLKEQGSRLIFSQMTRLL
 DILEDYCMWRGYEYCRLDGQTPHEEREDKFLEVEFLGQREAIEAFNAPNSSKFIFML
 STRAGGLGINLASADVILYDSDWNPQVDLQAMDRAHRIGQKKPVRVFRITDNTVE
 ERIVERAEIKLRLLDSIVIQQGRLIDQQSNKLAKEEMLQMIRHGATHVFASKESELTDED
 ITTILERGEKKTAEMNERLQKMGESSLRNFRMDIEQSLYKFEGEDYREKQKLG MVE
 WIEPPKRERKANYAVDAYFREARLVSEPKIPKAPRPPKQPNVQDFQFFPPRLFELLE
 KEILYYRKTIGYKVP RNP DIPNPALAQREEQKKIDGAEPLTPEETEEKEKLLTQGFTN
 WTKRDFNQFIKANEKYGRDDIDNIAREVEGKSPEEVM EYSAVFWERCNELQDIEKIM
 AQIERGEARIQRRISIKKALDAKIARYKAPFHQLRIQYGT SKGKNYTEEEDRFLICMLH
 KMGFDRENVYEELRQCVRNAPQFRFDWFIKSRTAMEFQRRCNTLISLIEKENMEIEE
 RERAEEKK R ATKTPMVKFSAFSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name SMARCA1 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 1 [Homo sapiens (human)]

Official Symbol SMARCA1

Synonyms SMARCA1; SWI/SNF related, matrix associated, actin dependent regulator of

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chromatin, subfamily a, member 1; SNF2L, SNF2L1; probable global transcription activator SNF2L1; ISWI; NURF140; SNF2LB; SWI; SNF2-like 1; ATP-dependent helicase SMARCA1; sucrose nonfermenting 2-like protein 1; nucleosome-remodeling factor subunit SNF2L; global transcription activator homologous sequence; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin a1; SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily A member 1; SWI2; SNF2L; SNF2L1; SNF2LT; FLJ41547; DKFZp686D1623;

Gene ID [6594](#)

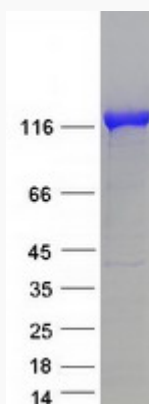
mRNA Refseq [NM_003069](#)

Protein Refseq [NP_003060](#)

MIM [300012](#)

UniProt ID [P28370](#)

SDS-PAGE



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