

Recombinant Full Length Human SMARCA1 Protein, C-Flag-tagged

Cat. No. SMARCA1-1538HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SMARCA1 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	122.4 kDa
AA Sequence	MEQDTAAVAATVAAADATATIVVIEDEQPGPSTSQEEGAAAAATEATAATEKGEKKK EKNVSSFQLKLAA KAPKSEKEMDPEYEEKMKADRAKRFEFLKQTELFHFQPSA QKSPTSPLNMKLGRPRIKKDEKQSLIS AGDYRHRRTQEEDDELLSESRKTSNVCIR FEVSPSYVKGGPLRDYQIRGLNWLISLYENGVNILADEM GLGKTLQTIALLGYLKH YRNIPGPHMVLVPKSTLHNWMNEFKRWVPSLRVICFVGDKDARAAFIRDEMMP GE WDVCVTSYEMVIKEKSVFKKFHWRYLVIDEAHRIKNEKSKLSEIVREFKSTNRLLLTG TPLQNNLHEL WALLNFLLPDVFNSADDFDSWFDTKNCLGDQKLVERLHAVLKPFL

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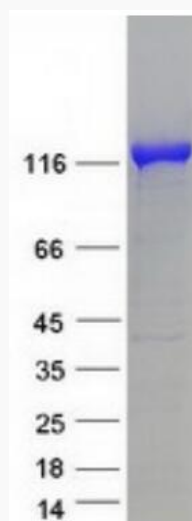
 45-1 Ramsey Road, Shirley, NY 11967, USA

RRIKTDVEKSLPPKKEIKIYLGLS KMQREWYTKILMKDIDVLNSSGKMDKMRLLNILM
 QLRKCCNHPYLFDAEPGPPYTTDEHIVSNSGKMVV LDKLLAKLKEQGSRVLIFSQ
 MTRLLDILEDYCMWRGYEYCRLDGQTPHEEREDKFLEVEFLGQREAIEAF NAPNSS
 KFIFMLSTRAGGLGINLASADVILYDSDWNPQVDLQAMDRAHRIGQKKPVRVFRLLIT
 DNTVEE RIVERAEIKLRLDSIVIQQGRLIDQQSNKLAKEEMLQMIRHGATHVFASKES
 ELTDEDITTILERGEKKT AEMNERLQKMGESSLRNFRMDIEQSLYKFEGEDYREKQK
 LGMVEWIEPPKRERKANYAVDAYFREARVS EPKIPKAPRPPKQPNVQDFQFFPPR
 LFELLEKEILYYRKTIGYKVPRNPDPNPAQAQREEQKKIDGAEP LTPEETEEKEKLLT
 QGFTNWTKRDFNQFIKANEKYGRDDIDNIAREVEGKSPEEVMEYSVFWERCNELQ
 DIEKIMAQIERGEARIQRRISIKKALDAKIARYKAPFHLRIQYGTSGKKNYTEEEDRFL
 ICMLHKMGFD RENVYEELRQCVRNAPQFRFDWFIKSRTAMEFQRRCNTLISLIEKE
 NMEIEERERAEEKKRATKTPMVKF
 SAFSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Transcription Factors
Full Length	Full L.

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	SWI; ISWI; SWI2; SNF2L; SNF2L1; SNF2LB; SNF2LT; hSNF2L; NURF140
Gene ID	6594
mRNA Refseq	NM_003069.5
Protein Refseq	NP_003060.2
MIM	300012
UniProt ID	P28370



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Coomassie blue staining of purified SMARCA1 protein.

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