

Recombinant *Saccharomyces cerevisiae* SNF2 Protein, His-tagged

Cat. No. SNF2-74S **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant <i>Saccharomyces cerevisiae</i> SNF2 Protein, fused to His-tag, was expressed in <i>E. coli</i> .
Species	<i>S.cerevisiae</i>
Source	<i>E.coli</i>
Description	Enables several functions, including ATP-dependent chromatin remodeler activity; DNA binding activity; and lysine-acetylated histone binding activity. Involved in several processes, including DNA metabolic process; nucleosome mobilization; and positive regulation of cell adhesion involved in single-species biofilm formation. Located in nucleus. Part of SWI/SNF complex. Human ortholog(s) of this gene implicated in Coffin-Siris syndrome 4; hepatocellular carcinoma; lung non-small cell carcinoma; and rhabdoid cancer. Orthologous to human SMARCA2 (SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2) and SMARCA4 (SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4).
Form	Supplied as a 0.2 µm filtered solution in PBS (pH 7.4).
Molecular Mass	~91 kDa
AA Sequence	MKIEEGKLVWINGDKGYNGLAIEVGKKFEKDTGIKVTVEHPDKLEEKFPQVAATGDG PDIIFWAHDRFGGYAQSGLLAEITPDKAFQDKLYPFTWDAVRYNGKLIAYPIAVEALS

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LIYNKDLLPNPPKTWEEIPALDKELKAKGKSALMFNLQEPYFTWPLIAADGGYAFKYE
 NGKYDIKDVGVNAGAKAGLTFLVDLIKNKHMNADTDYSIAEAAFNKGETAMTINGP
 WAWSNIDTSKVNYGVTVLPTFKGQPSKPFVGVLSAGINAASPNKELAKEFLENYLLT
 DEGLEAVNKDKPLGAVALKSYEEELAKDPRIAATMENAQKGEIMPNIQMSAFWYAV
 RTAVINAASGRQTVDEALKDAQTIEGRMNGILADEMGLGKTIQTISLLTYLYEMKNIR
 GPYLIVVPLSTLSNWSSEFAKWAPTLRTISFKGSPNERKAKQAKIRAGEFDVLTTFE
 YIIKERALLSKVKVWHMIIDEGHRMKNQSKLSLTLNTHYHADYRLILTGTPLQNNLPE
 LWALLNFVLPKIFNSVKSFDEWFNTPFANTGGQDKIELSEEETLLVIRRLHKVLRPFL
 RRLKKDVEKELPDKVEKVCKMSALQQIMYQQMLKYRRLFIGDQNNKMMVGLRGF
 NNQIMQLKKICNHPFVFEEVEDQINPTRETNDIWRVAGKFELLDRIPLKATGHRV
 LIFFQMTQIMDIMEDFLRYINIKYLRLDGHTKSDERSELLRLFNAPDSEYLCFILSTRAG
 GLGLNLQTADTVIIFDTDWNPAAQALQAQDRAHRIGQKNEVRILHHHHHH

Purity >90%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.1 mg/ml

Official Full Name SWI/SNF catalytic subunit SNF2

GENE INFORMATION

Gene Name SNF2 SWI/SNF catalytic subunit SNF2 [*Saccharomyces cerevisiae* S288C]

Official Symbol SNF2

Synonyms GAM1; HAF1; SWI2; TYE3

Gene ID 854465

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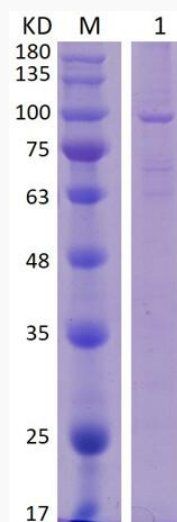
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mRNA Refseq [NM_001183709](#)

Protein Refseq [NP_014933](#)

UniProt ID [P22082](#)

SDS-PAGE



12% reducing SDS-PAGE analysis of purified SNF2 HXD mutation.

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