

Recombinant Full Length Human SMARCA5 Protein, C-Flag-tagged

Cat. No. SMARCA5-1410HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SMARCA5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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 protein encoded by this gene is a component of the chromatin remodeling and spacing factor RSF, a facilitator of the transcription of class II genes by RNA polymerase II. The encoded protein is similar in sequence to the Drosophila ISWI chromatin remodeling protein.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	121.8 kDa
AA Sequence	MSSAAEPPPPPPESAPSKPAASIASGGSNSSNKGGPPEGVAAQAVASAASAGPAD AEMEEIFDDASPGKQ KEIQEPDPTYEEKMQTDRANRFEYLLKQTELF AHFIQPAAQK TPTSPLKMKPGRPRIKKDEKQNLLSVGD YRHR RTEQEED EELLTESSKATNVCTRF EDSPSYVKWGKLRDYQVRGLNWLISLYENGINGILADEMGLG KTLQTISLLGYMKHY RNIPGPHMVLVPKSTLHNWMSEFKRWVPTLRSVCLIGDKEQRAAFVRDVLLPGEW

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DVCVTSYEMLIKEKSVFKKFNWRYLVIDEAHRIKNEKSKLSEIVREFKTTNRLLLTGTP
 LQNNLHELWSL LNFLLPDVFN SADD FDSWFD TNNCLGDQKLVERLHMVLRPFLLRR
 IKADVEKSLPPKKEVKIYVGLSKMQ REWYTRILMKDIDILNSAGKMDKMRLLNILMQL
 RKCCNHPYLF DGAEPGPPYT TDMHLVTNSGKMVVDK LLPKLKEQGSRVLIFSQMT
 RVLDILEDYCMWRNYEYCRLDGQTPHDERQDSINAYNEPNSTKFVFM LSTR AGGL
 GINLATADVILYDSDWNPQVDLQAMDRAHRIGQTKTVRVFRFITDNTVEERIVERAE
 MKLRLDSI VIQQGRLVDQNLNKIGKDEMLQMIRHGATHVFASKESEITDEDIDGILER
 GAKKTAEMNEKLSKMGESSL RNFTMDTESSVYNFEGEDYREKQKIAFTEWIEPPKR
 ERKANYAVDAYFREARLVSEPKAPKAPRPPKQPN VQDFQFFPPRLFELLEKEILFYR
 KTIGYKVP RNPELPNAAQAQKEEQLKIDEAESLNDEELEEKEKLLTQ GFTNWNKRD
 FNQFIKANEKWGRDDIENIAREVEGKTPEEVIEYS AVFWERCNELQDIEKIMAQIERG
 EAR IQRRISIKKALDTKIGRYKAPFHQLRISYGTNKGKNYTEEEDRFLICMLHKLGF DK
 ENVYDEL RQCIRNS PQFRFDWFLKSRTAMELQRRCNTLITLIERENMELEEKEKA EK
 KKRGP KPSTQKRKMDGAPDGRGRKKKL
 KLSGPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

SMARCA5 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 5 [Homo sapiens (human)]

Official Symbol

SMARCA5

Synonyms

ISWI; SNF2H; hISWI; hSNF2H; WCRF135

Gene ID

8467

mRNA Refseq

NM_003601.4

Protein Refseq

NP_003592.3

MIM

603375

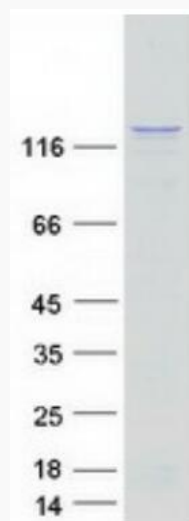
UniProt ID

O60264

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Coomassie blue staining of purified SMARCA5 protein.

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