

Recombinant Rat Smarca4 Protein, MBP/His-tagged

Cat. No. Smarca4-36R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Smarca4 Protein, fused to MBP/His-tag, was expressed in E.coli.
Species	Rat
Source	E.coli
Description	Enables chromatin binding activity. Involved in negative regulation of transcription, DNA-templated; nucleosome disassembly; and spermatid development. 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 SMARCA4 (SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4).
Form	Liquid. In 1xPBS (pH 7.4).
Molecular Mass	110.2 kDa
AA Sequence	MKIEEGKLVIWINGDKGYNGLAEVGKKFEKDTGIKVTVEHPDKLEEKFPQVAATGDG PDIIFWAHDRFGGYAQSGLLAEITPDKAFQDKLYPFTWDAVRYNGKLIAYPIAVEALS LIYNKDLLPNPPKTWEEIPALDKELKAKGKSALMFNLQEPYFTWPLIAADGGYAFKYE NGKYDIKDVGVNDAGAKAGLTFLVDLIKNKHMNADTDYSIAEAAFNKGETAMTINGP WAWSNIDTSKVNYGVTVLPTFKGQPSKPFVGVLSAGINAASPNKELAKEFLENYLLT DEGLEAVNKDKPLGAVALKSYEEELAKDPRIAATMENAQKGEIMPNIQMSAFWYAV RTAVINAASGRQTVDEALKDAQTQYQIKGLEWLVSLYNNNLNGILADEMGLGKTIQTI ALITYLMEHKRINGPFLIIVPLSTLSNWAYEFDKWAPSVVKVSYKGSPAARRAFVPQL

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RSGKFNVLTTTYEYIIKDKHILAKIRWKYMIVDEGHRMKNHHCKLTQVLNTHYVAPRR
 LLLTGTPQLQNKLPWALLNLLPTIFKSCSTFEQWFNAPFAMTGEKVDLNEEETILII
 RRLHKVLRPFLLRRLKKEVEAQLPEKVEYVIKCDMSALQRVLYRHMQAQGVLLTDGS
 EKDKKGKGGTKTLMNTIMQLRKICNHPYMFQHIEESFSEHLGFTGGIVQGLDLYRAS
 GKFELLDRIPLKLRATNHKVLLFCQMTSLMTIMEDYFAYRGFKYLRLDGTTKAEDRG
 MLLKTFNEPGSEYFIFLLSTRAGGLGLNLQSADTVIIFDSDWNPHQDLQAQDRAHRIG
 QQNEVRVLRRLCTVNSVEEKILAAAKYKLNVDQKVIQAGMFDQKSSSHERRAFLQAIL
 EHEEQDEEEDEVDPDETQNMARHEEEFDLFMRMDLDRRREEARNPKRKPRLME
 EDELPSWIIKDDAEVERLTCEEEEEKMFGRGSRHRKEVDYSHHHHHH

Purity >90% as determined by SDS-PAGE

Storage Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20~-80 centigrade. Avoid freeze/thaw cycles.

Concentration 0.21 mg/ml

GENE INFORMATION

Gene Name Smarca4 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [Rattus norvegicus (Norway rat)]

Official Symbol SMARCA4

Synonyms brg-1

Gene ID 171379

mRNA Refseq NM_134368.1

Protein Refseq NP_599195.1

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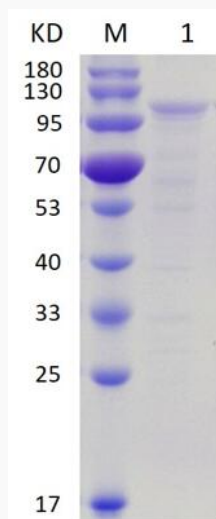
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UniProt ID

Q8K1P7

SDS-PAGE



12% SDS-PAGE analysis profile of purified Rat Smarca4 (CBB stained).

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