

Recombinant Rat SMARCA4 Protein, His-tagged

Cat. No. SMARCA4-15R Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Rat SMARCA4 Protein, fused to His-tag, was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	756-1347aa
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	MKIEEGKLVWINGDKGYNGLAEVGGKFEKDTGIKVTVEHPDKLEEKFPQVAATGDG PDIIFWAHDRFGGYAQSGLLAEITPDKAFQDKLYPFTWDAVRYNGKLIAYPIAVEALS LIYNKDLLPNPPKTWEEIPALDKELKAKGKSALMFNLQEPYFTWPLIAADGGYAFKYE NGKYDIKDVGVNDAGAKAGLTFLVDLIKNKHMNADTDYSIAEAAFNKGETAMTINGP WAWSNIDTSKVNYGVTVLPTFKGQPSKPFVGVLSAGINAASPNKELAKEFLENYLLT DEGLEAVNKDKPLGAVALKSYEEELAKDPRIAATMENAQKGEIMPNIQMSAFWYAV

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RTAVINAASGRQTVDEALKDAQTQYQIKGLEWLVSLYNNNLNGILADEMGLGKTIQTI
 ALITYLMEHKRINGPFLIIVPLSTLSNWAYEFDKWAPSVVKVSYKGSAPAARRAFVSQL
 RSGKFNVLLTTYEYIIKDKHILAKIRWKYMIVDEGHRMKNHHCKLTQVLNTHYVAPRR
 LLLTGTPLQNKLPPELLWALLNLLPTIFKSCSTFEQWFNAPFAMTGEKVDLNEEETILII
 RRLHKVLRPFLLRRLKKEVEAQLPEKVEYVIKCDMSALQRVLYRHMQAQGVLLTDGS
 EKDKKGGKGGTKTLMNTIMQLRKICNHPYMFQHIIEESFSEHLGFTGGIVQGLDLYRAS
 GKFELDRILPKLRATNHKVLLFCQMTSLMTIMEDYFAYRGGFKYLRLDGTTKAEDRG
 MLLKTFNEPGSEYFIFLLSTRAGGLGLNLQSADTVIIFDSDWNPHQDLQAQDRAHRIG
 QQNEVRVLRRLCTVNSVEEKILAAAKYKLNVDQKVIQAGMFDQKSSSHERRAFLQAIL
 EHEEQDEEEDEVPDDETQVNMARHEEEFDLFRMDLDRRREEARNPKRKPRLME
 EDELPSWIIKDDAEVERLTCEEEEEKMFGRGSRHRKEVDYSHHHHHH

Purity	>90%
Storage	Short Term Storage at 4 centigrade, Long Term, please prepare aliquots with 20% glycerol and store at -20 to -80 centigrade. Avoid freeze/thaw cycles.
Concentration	0.21 mg/ml
Official Full Name	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4

GENE INFORMATION

Gene Name	Smarca4 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 4 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	SMARCA4
Synonyms	brg-1

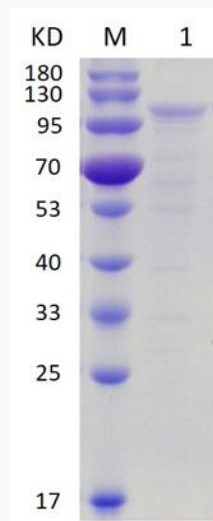
Gene ID 171379

mRNA Refseq NM_134368

Protein Refseq NP_599195

UniProt ID Q8K1P7

SDS-PAGE



12% SDS-PAGE analysis profiles of purified Rat Smarca4 756-1347aa, MBP/His-tagged (CBB stained).

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