Recombinant Human SMARCC2

Cat. No. SMARCC2-31424TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human SMRC2 isoform 2 with a N terminal proprietary tag; Predicted MWt 150.30 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	1130 amino acids
Description	The protein encoded by this gene is a member of the SWI/SNF family of proteins, whose members display helicase and ATPase activities and which are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein is part of the large ATP-dependent chromatin remodeling complex SNF/SWI and contains a predicted leucine zipper motif typical of many transcription factors. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Molecular Weight	150.300kDa inclusive of tags
Tissue specificity	Ubiquitously expressed.
Form	Liquid
Purity	Proprietary Purification

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Storage buffer	pH: 8.00Constituents:0.79% Tris HCl, 0.3% Glutathione
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MAVRKKDGGPNVKYYEAADTVTQFDNVRLWLGKNYKKYIQ AEPPTNKSLSSLVVQ LLQFQEEVFGKHVSNAPLTKLPIKC FLDFKAGGSLCHILAAAYKFKSDQGWRRYDF QNPSRMDRN VEMFMTIEKSLVQNNCLSRPNIFLCPEIEPKLLGKLKDII KRHQGTVT EDKNNASHVVYPVPGNLEEEEWVRPVMKRDKQ VLLHWGYYPDSYDTWIPASEIEA SVEDAPTPEKPRKVHAK WILDTDTFNEWMNEEDYEVNDDKNPVSRRKKISAKTLTD E VNSPDSDRRDKKGGNYKKRKRSPSPSPTPEAKKKNAKKGP STPYTKSKRGHRE EEQEDLTKDMDEPSPVPNVEEVTLPKT VNTKKDSESAPVKGGTMTDLDEQEDESM ETTGKDEDENST GNKGEQTKNPDLHEDNVTEQTHHIIIPSYAAWFDYNSVHA IERR ALPEFFNGKNKSKTPEIYLAYRNFMIDTYRLNPQEY LTSTACRRNLAGDVCAIMRVH AFLEQWGLINYQVDAESRP TPMGPPPTSHFHVLADTPSGLVPLQPKTPQGRQVDA DTKA GRKGKELDDLVPETAKGKPELQTSASQQMLNFPDKGKEKP TDMQNFGLRT DMYTKKNVPSKSKAAASATREWTEQETLLL LEALEMYKDDWNKVSEHVGSRTQDE CILHFLRLPIEDPYL EDSEASLGPLAYQPIPFSQSGNPVMSTVAFLASVVDPRVA SA AAKSALEEFSKMKEEVPTALVEAHVRKVEEAAKVTGKA DPAFGLESSGIAGTTSDE PERIEESGNDEARVEGQATDEK KEPKEPREGGGAIEEEAKEKTSEAPKKDEEKGKE GDSEKE SEKSDGDPIVDPEKEKEPKEGQEEVLKEVVESEGERKTKV ERDIGEGNL STAAAAALAAAAVKAKHFAAVEERKIKSLVA LLVETQMKKLEIKLRHFEELETIMDRE REALEYQRQQLLA DRQAFHMEQLKYAEMRARQQHFQQMHQQQQQPPPALPPGS QPIPPTGAAGPPAVHGLAVAPASVVPAPAGSGAPPGSLGP SEQIGQAGSTAGPQQ QQPAGAPQPGAVPPGVPPPGPHGPS PFPNQQTPPSMMPGAVPGSGHPGVADPG TPLPPDPTAPSP GTVTPVPPPQ
Sequence Similarities	Belongs to the SMARCC family.Contains 1 SANT domain.Contains 1 SWIRM domain.

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GENE INFORMATION

Gene Name	SMARCC2 SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2 [Homo sapiens]
Official Symbol	SMARCC2
Synonyms	SMARCC2; SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily c, member 2; SWI/SNF complex subunit SMARCC2; BAF170; CRACC2; Rsc8;
Gene ID	6601
mRNA Refseq	NM_139067
Protein Refseq	NP_620706
MIM	601734
Uniprot ID	Q8TAQ2
Chromosome Location	12q13.2
Pathway	Glucocorticoid receptor regulatory network, organism-specific biosystem; TNF-alpha/NF-kB Signaling Pathway, organism-specific biosystem;
Function	DNA binding; protein binding; transcription coactivator activity;

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