

Product datasheet

Recombinant Human SMRC2 protein ab116997

1 图像

概述

产品名称	重组人SMRC2蛋白
蛋白长度	Full length protein

描述

性质	Recombinant
来源	Wheat germ

氨基酸序列

Accession [Q8TAQ2-2](#)

种属 Human

序列  
 MAVRKKDGGPNVKYYEADTVTQFDNVRLWLGKNYKYYIQAEPPTNKSL  
 SLVVQLLQFQEEVFGKHVSNAPLTKLPIKCFDFKAGGSLCHILAAAYKF  
 KSDQGWRRYDFQNP SRMDRNVEMFMTIEKSLVQNNCLSRPNIFLCPEIEP  
 KLLGKLDIIRHQGTVTEDKNNASHVVYPVPGNLEEEEWVRPVMKRDKQ  
 VLLHWGYPPDSYDTWIPASEIEASVEDAPTPEKPRKVHAKWILD TDTFNE  
 WMNEEDYEVNDDKNPVSRRKKISAKLTDEVNSPDSDRRDKKGGNYKKRK  
 RSPSPSPTPEAKKNAKKGSTPYTKSKRGHREEEQEDLTKDMDEPSVP  
 NVEEVTLPKTVNTKKDSEAPVKGGTMDLDEQEDESMETTKGDEENST  
 GNKGEQTKNPD LHEDNVTEQTHHIIIPSYAAWFDYNSVHAIERRALPEFF  
 NGKNKSKTPEIYLAYRNFIDTYRLNPQEYLTSTACRRNLGADVCAIMRV  
 HAFLEQWGLINYQVDAESRPTPMGPPPTSHFHVLADTPSGLVPLQPKTPQ  
 GRQVDADTKAGRKGKELDDLVPETAKGKPELQTSASQQLNFPDKGKEP  
 TDMQNFGLRTDMYTKKNVPSKSKAAASATREWTEQETLLLLLEALEMYKDD  
 WNKVSEHVGSRTQDECILHFLRLPIEDPYLEDSEASLGPLAYQPIPFSSQ  
 GNPVMSTVAFLASVVDPRVASAAAKSAL EEF SKMKKEEVP TALVEAHVRKV  
 EEA AKVTGKADPAFGLLESSGIAGTTSDEPERIEESGNDEARVEGQATDEK  
 KEPKEPREGGGAIEEEAKEKTSEAPKKDEEKGEKGDSEKESKSDGDP  
 IVDPEKEKEPKEGQEEVLKEVVESEGERKTKVERDIGEGLSTAAAAALAAA  
 AVKAKHFAAVEERKIKSLVALLVETQMKKLEIKLRHFEELETIMDREREA  
 LEYQRQQLADRQAFHMEQLKYAEMRARQQHFQMMHQQQQPPALPPGS  
 QPIPTGAAGPPAVHGLAVAPASVVPAPAGSGAPPGSLGPSEQIGQAGST  
 AGPQQQPAGAPQPGAVPPGVPVPPGPHGSPFPNQQTPPSMMPGAVPGSG  
 HPGVADPGTPLPPDPTAPSPGTVTPVPPPQ

分子量 150 kDa including tags

## 技术指标

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Our [Abpromise guarantee](#) covers the use of **ab116997** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<b>应用</b>	ELISA Western blot SDS-PAGE
<b>形式</b>	Liquid
<b>补充说明</b>	Protein concentration is above or equal to 0.05 mg/ml. This protein is best used within three months from the date of receipt.

## 制备和贮存

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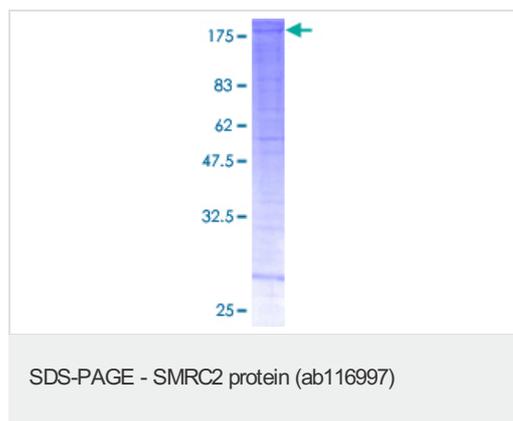
<b>稳定性和存储</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
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## 常规信息

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<b>功能</b>	Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Can stimulate the ATPase activity of the catalytic subunit of these complexes. May be required for CoREST dependent repression of neuronal specific gene promoters in non-neuronal cells. Also involved in vitamin D-coupled transcription regulation via its association with the WINAC complex, a chromatin-remodeling complex recruited by vitamin D receptor (VDR), which is required for the ligand-bound VDR-mediated transrepression of the CYP27B1 gene. Belongs to the neural progenitors-specific chromatin remodeling complex (npBAF complex) and the neuron-specific chromatin remodeling complex (nBAF complex). During neural development a switch from a stem/progenitor to a post-mitotic chromatin remodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural stem/progenitor cells to post-mitotic neurons requires a switch in subunit composition of the npBAF and nBAF complexes. As neural progenitors exit mitosis and differentiate into neurons, npBAF complexes which contain ACTL6A/BAF53A and PHF10/BAF45A, are exchanged for homologous alternative ACTL6B/BAF53B and DPF1/BAF45B or DPF3/BAF45C subunits in neuron-specific complexes (nBAF). The npBAF complex is essential for the self-renewal/proliferative capacity of the multipotent neural stem cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth.
<b>组织特异性</b>	Ubiquitously expressed.
<b>序列相似性</b>	Belongs to the SMARCC family. Contains 1 SANT domain. Contains 1 SWIRM domain.
<b>细胞定位</b>	Nucleus.

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12.5% SDS-PAGE showing ab116997 at approx. 150.30kDa.  
Stained with Coomassie Blue.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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