Datasheet for ABIN5711535

SMARCC1 Protein (AA 449-669) (His-SUMO Tag)

1 Image

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Overview

Quantity:	100 µg
Target:	SMARCC1
Protein Characteristics:	AA 449-669
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SMARCC1 protein is labelled with His-SUMO Tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	IPSYASWFDY NCIHVIERRA LPEFFNGKNK SKTPEIYLAY RNFMIDTYRL NPQEYLTSTA CRRNLTGDVC AVMRVHAFLE QWGLVNYQVD PESRPMAMGP PPTPHFNVLA DTPSGLVPLH LRSPQVPAAQ QMLNFPEKNK EKPVDLQNFG LRTDIYSKKT LAKSKGASAG REWTEQETLL LLEALEMYKD DWNKVSEHVG SRTQDECILH FLRLPIEDPY L
Purification:	SDS-PAGE
Purity:	> 90 %

Target Details

Target:	SMARCC1
Alternative Name:	SMRC1 (SMARCC1 Products)
Background:	Involved in transcriptional activation and repression of select genes by chromatin rodeling

Target Details

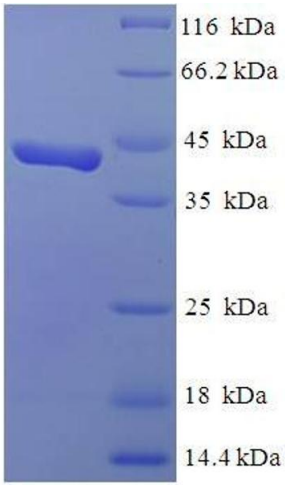
	(alteration of DNA-nucleosome topology). May stimulate the ATPase activity of the catalytic subunit of the complex. Belongs to the neural progenitors-specific chromatin rodeling complex (npBAF complex) and the neuron-specific chromatin rodeling complex (nBAF complex). During neural development a switch from a st/progenitor to a post-mitotic chromatin rodeling mechanism occurs as neurons exit the cell cycle and become committed to their adult state. The transition from proliferating neural st/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 st cells. The nBAF complex along with CREST plays a role regulating the activity of genes essential for dendrite growth .
Molecular Weight:	41.5 kDa
UniProt:	Q92922
Pathways:	Chromatin Binding

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1-2 mg/mL
Buffer:	20 mM Tris-HCl based buffer, pH 8.0
Storage:	-80 °C,4 °C,-20 °C
Storage Comment:	Store at -20°C, for extended storage, conserve at -20°C or -80°C. Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.



SDS-PAGE

Image 1.